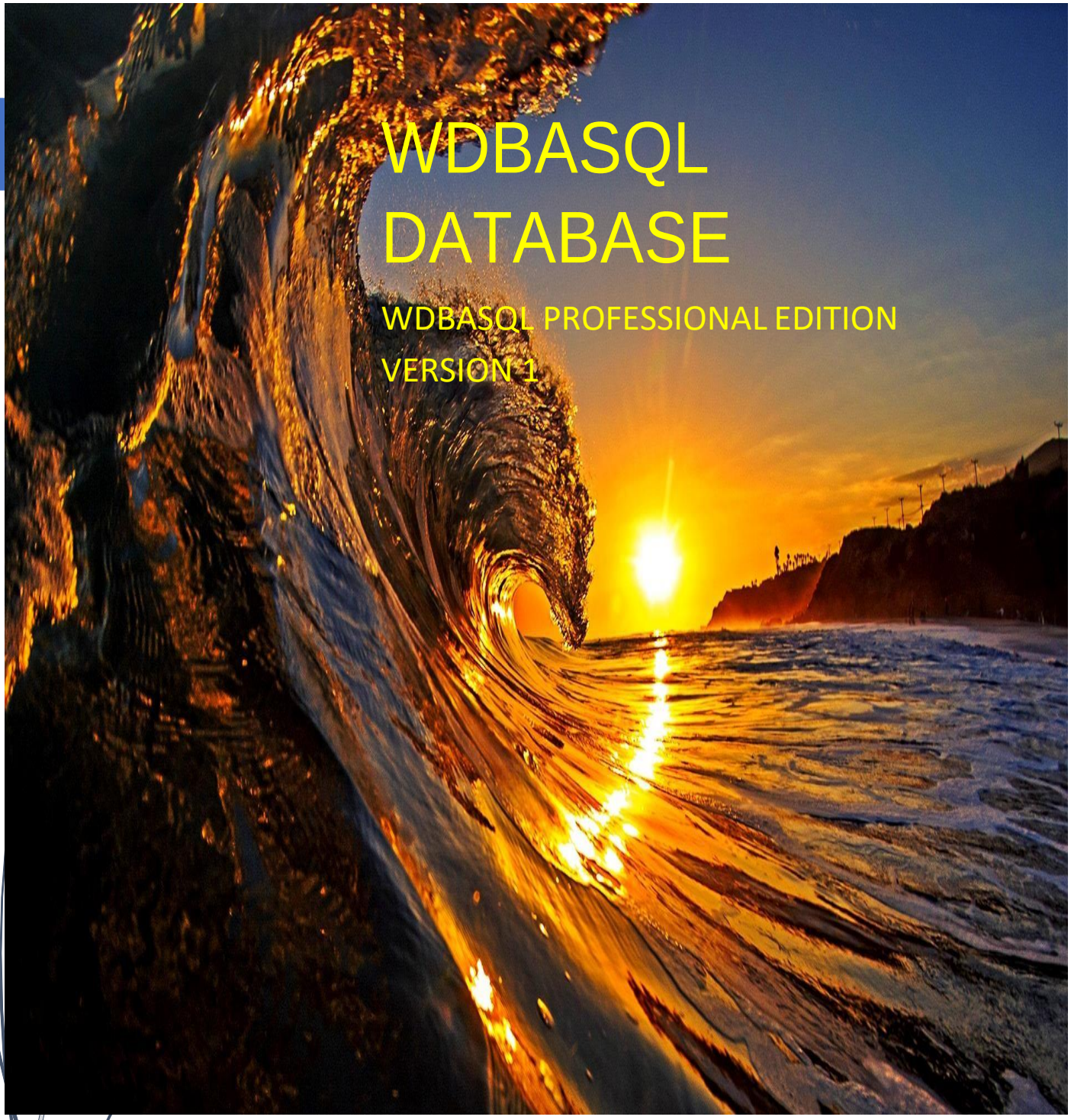

WDBASQL DATABASE

WDBASQL PROFESSIONAL EDITION

VERSION 1

Wilmix Jemin J

JEMININFORMATIONTECHNOLOGY

By

WILMIX JEMIN J,

JeminInformationTechnology

ABOUT THE AUTHOR AND PREFACE

This WNOSQL is Designed by Analzing many database documents…

Using WNOSQL one can Design the Database Projects as Fast

As could. I Thank God for this wisdom given to me…

----------Wilmix Jemin J,Jemin Information Technology

This EBOOK is Printed in Asia.

To Make Software Fast like Rabbit movement

and a global redistribution of prosperity

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Online forum have had a strong impact on the quality of the final printed product.

And we'd like to thank Github ,friends, and our supporters.

Thanks to all!

---------WILMIX JEMIN J

About this Book

Welcome to WNOSQL! If you've picked up this book, we suspect you're a Database developer working with database who's somehow or other heard about database like sqlserver or oracle.

Perhaps you've worked with the Other databases in the past, perhaps you've worked with another Databases , or perhaps this is your first step into Database security.

Whichever path has led you here, you're probably looking for a good introduction to the new WNOSQL securable database. This book intends to give you that introduction and much more. If you've never heard of WNOSQL, we cover the basics in enough depth to keep you in tow. If you know what WNOSQL does, but want a deeper understanding of how it does it, we'll provide that too.

Roadmap

Book is focused on WNOSQL database security , if you have knowledge or experience about CDOLLAR and C# you can easily focus it.

But Minimum CDollar and C# Technical Knowledge is required to focus on Studying, Designing WNOSQL database Modules .WNOSQL is an Advanced Database.

The Brief Contents

Code conventions

The following typographical conventions are used throughout the book:

■ *Courier typeface is used in all code listings.*

■ *Courier typeface is used within text for certain code words.*

■ *Italics are used for emphasis and to introduce new terms.*

■ *Code annotations are used in place of inline comments in the code. These highlight important concepts or areas of the code.*

Code downloads

This will get you the WNOSQL.zip file by purchasing it.

a couple of WNOSQL archive files —as well as some documentation of the source. Instructions on how to install the application are contained in a README file in that download.

ABOUT WNOSQL

==========

*WNOSQL means Wilmix NOSQL.(W*SQL)*
is a Securable database invented by wilmix jemin j in GDollar,
JDollar(JWEB) ,and JAVA .

No need to write any Queries but to pass parameters in WDBASQL database for PLSQL f(x)s. We can also write WDBASql
queries like SQL/Oracle Queries.WNOSQL is focused only
on Windows Platform.

Advantages of Using WNOSQL in Windows Platform

A) To secure the data from hackers.
data cannot be taken by hackers in windows.

b) your .wdba data can be accessed from any location.

no need of datasource ; so we can say wnosql has remote database con nection.

c) You can store 1 Thrillions of data using WNOSQL.

d) All .wdba data will be stored in a encrypted form that cannot be viewed by hackers.

UNIT-1: Introduction

Welcome to WNOSQL security programming designed

By Jemin Information Technology!

What is meant by WNOSQL?

*WNOSQL means Wilmix NOSQL.(W*SQL) . No need to write SQL Queries but to pass parameters in WNOSQL database functions.. WNOSQL is also transport data from Oracle db/SQLSERVER to WNOSQL and viceversa.*

When it is invented?

It is invented by wilmix jemin j in year 2016.

Why WNOSQL is most important for software development?

Since it provides security , transports data from wnosql to Oracle, Sqlserver,and viceversa. And it will connect with major databases like Oracle,Sqlserver,MYSQL, etc.
And it protect the hackers and unwanted users stealing the data.

How WNOSQL database Works?

WNOSQL database uses WNOSQL Editor. WNOSQL(.dlls) are responsible for transporting , executing Query . WNOSQL did not contain server; Instead of that it contain only WebConsole to see the HTML outputs.

*WNOSQL(W*SQL) takes the data from Sqlserver and store it. W e can also perform retrieval ,Encrypt,Decrypt data , Select particular row, Join Operations, Aggegerate tools,etc. using WNOSQL.*

Which you can learn more detail in Unit -II.

let us see how it works? Why it is more advanced?

Explanation:

========

*When Users type WNOSQL(W*SQL) Program at first you*

compile the db program using compile at right corner of the editor.

And Next you run the program using Run at right corner of the editor.

When you click "RUN" it produces .obj and .exe file for futhure use with CDollar,JAVA, Dotnet, and JDollar,

JSAUCER, etc. So You can selected only encrypted (.obj) file

and run the database program.

SO choose the .dll file to run wnosql program
.When you insert a data in a program it stores it in WNOSQL
encrypted file and finally it retrieves the data from encrypted file for fut
hure use. WNOSQL is responsible for data
security with data storage and retrieval management.You
can also do programmming simillar to PLSQLand we
can change the theme of HTML Output. You can see the output in
webconsole by pressing RUNWNOSQL(*)
button at the right corner of WNOSQL(*) Editor.

State the Advantages of WNOSQL (*) Database:

a) WNOSQL(*) is a NOSQL databases

b) WNOSQL(*) need no datasource since it remotely connect with

CDollar or JDollar Program

c) WNOSQL also has SQL Concepts and SQL Advanced concepts

d) You can see the output the WEB console

there is no need for server

e) WNOSQL uses cluster memmory management to protect your

data from hackers ,etc.

f) WNOSQL will Store Huge amount of data

ie) > Thrillion Thrillion …….

g) WNOSQL(*) has Userfriendly WNOSQL cmd console

h) WNOSQL Prevents SQL INJECTION

i) WNOSQL(*) has attractive syntax.

j) WNOSQL(*) also has PLSQL to execute db

statements as a batch.

k) WNOSQL(*) also has Advanced oops like JAVA

and C#

l) WNOSQL is a Advanced Database.

m) WNOSQL also transfer to and from Oracle/SQLSERVER/MYSQL to WNOSQL Database;

*so it is called **PIPELINE DATABASE.***

n) We can also use CDollar dlls with WNOSQL

o) WNOSQL also store the output in .EXE format

p) WNOSQL also be used with other Programming languages through

through Oracle/SQL Server.

q)WNOSQL PLSQL uses API format

which hacker or unwanted user can' use it in website.

r) We can use WNOSQL (.wdba) data for futhure

use with remote database WDBAJ$ at any linux type OS.

s) It is easy to use and Learnable

t) We can also do programming in WNOSQL database

u) We can also construct forms and reports

v) Here CDollar-JAVA.util packages are used

w) No Server for WNOSQL(*) db

x) Occupies only less amount of safe

y) Prevents from data loss by CLUSTERRESTORE

z) Performs Manipulations (WNOSQL(*)) in

huge amount of data say 1 thrillion.

never makes db very slow since datas are divided into

batches.

THE WNOSQL SQL(*) BASICS

1) CREATETABLE

```
CREATETABLE  from Tablename  index1 to
lastindex1 , row to cols ?= 0 By 0 f(x) :
{FIELDSNAMES}:{Fieldvaluesset1
,  Fieldvaluesset2  .....} :{0};
```

Explanation

CREATETABLE from Tablename which is used to create a table by given rows and cols with Tablefields and Table field value....

2) SelectRowVAL

```
SELECTRVAL FROM TABLENAME INDEX1 TO
LASTINDEX1 , ROW TO COL ?= CHARACTER BY X X : {0}
: {0} :{0}
```

Explanation

SELECTRVAL is used to list all values from Tablename by given rows and cols.

3) DELETE

DELETE from Tablename index1 to lastindex1 , row to col ?= Character By X X : {value} : {0} :{0}

Explanation

DELETE is used to delete a particular value from a table by given rows and cols.

4) SYSDATE

SYSDATE from Tablename index1 to lastindex1 , row to col ?= DATEFORMAT By X X : {0} :

{0} :{0}

Explanation

It is used to return SYSTEM DATE
[according to DATEFORMAT- Optional]

5) INSERTINTO STATEMENT

INSERTINTO from Tablename index1 to lastindex1 , row to col ?= Character By X X : {0} : {rowsetvalues1-- rowsetvaluesn} : {0}";

Explanation

It is used to insert rowset values from Tablename by given rows and cols.

6) MATCH STATEMENT

MATCH from Tablename index1 to lastindex1 , row to col ?= Character By X X : {0} : {0} :{0}

Explanation:

IT is used to list row pairs where the given Character is matched from Tablename by given rows and cols.

7) SelectOrderbyAsc

SelectOrderByASC from index1 to lastindex1 , row to col ?= Character By X X : {0} : {0} :{0}

Explanation:

IT is used to list the values by Ascending order from Tablename by given rows and cols.

8) SelectOrderbyDesc

SELECTORDERBYDESC FROM INDEX1 TO LASTINDEX1 , ROW TO COL ?= CHARACTER BY X X : {0} : {0} :{0}

Explanation:

IT is used to list the values by Descending order from Tablename by given rows and cols.

9) SelectIntOrderByAsc

SELECTORDERBYASC FROM INDEX1 TO LASTINDEX1 , ROW TO COL ?= CHARACTER BY X X : {0} : {0} :{0}

Explanation:

IT is used to list the values by Ascending order from Tablename by given rows and cols.

10) SelectIntOrderByDesc

SELECTORDERBYDESC FROM INDEX1 TO LASTINDEX1 , ROW TO COL ?= CHARACTER BY X X : {0} : {0} :{0}

Explanation:

IT is used to list the values by Descending order from Tablename by given rows and cols.

11) SelectALL Statement

SelectAll from Tablename index1 to lastindex1 , row to col ?= Character By X X : {0} : {0} :{0}

Explanation

SelectAll is used to list all values from Tablename by given rows and cols.
but SelectRval is used to compute the size of ArrayList.

12) Select Statement

Select from Tablename index1 to searchselectindex ,
row to col ?= Character By X X : {0} : {0} :{0}

Explanation

Select is used to list a particular value using searchselectindex fr om Tablename
by given rows and cols.

13) Search Statement

Search from Tablename index1 to indexn , row to
col ?= Character By X X : {0} : {0} :{0}

Explanation
=======

Search is used to list a arraylist value when given Character or a number is found from Tablename by given rows and cols.

14) SearchGT Statement

```
SearchGT   from Tablename index1 to indexn , row to
col ?= Searchednumber By X X : {0} : {0} :{0}
```

Explanation

SearchGT is used to
list the values which is greater than a Searchednumber from the Tablename by given rows and cols.

15) SearchLS Statement

```
SearchLS   from Tablename index1 to indexn , row to
col ?= Searchednumber By X X : {0} : {0} :{0}
```

Explanation

SearchLS is used to list the
values which is less than a Searchednumber from the Tablename by given rows and cols.

16) SelectRange Statement

SelectRange from Tablename indexrange1 to indexrangen , row to col ?= Char By X X : {0} : {0} :{0}

Explanation

SelectRange is used to list the values according to given indexranges(indexrange1 to indexrangen) from the Tablename by given rows and cols.

17) SelectAssign Statement

SelectAssign from Tablename indexrange1 to indexrangen , row to col ?= ASSIGNEDVALUE By X X : {0} : {0} :{0}

Explanation

SelectAssign is used to Assign the values

18) SelectRows Statement

SelectRows from Tablename x1 to x2 , row to col ?= X By X X : {0} : {0} :{0}

Explanation

SelectRows is used to list the Assigned Row value

19) RIGHTJOIN Statement

RIGHTJOIN from Tablename1 x1 to x2 , row to col ?=
Tablename2 By 1 1 : {rowindexes} :{rowindexes} : {0} ;

Explanation:

It is used to print Right Table of the SQL TABLE PLUS thos e rows of Lefttable did not match with rows of Right table.

20) LEFTJOIN Statement

LEFTJOIN from Tablename1 x1 to x2 , row to col ?=
Tablename2 By 1 1 : {rowindexes} :{rowindexes} : {0} ;

Explanation:

It is used to print LEFT Table of the SQL TABLE PLUS

those rows of Lefttable did not match with rows of RIGHT table.

21) INNERJOIN Statement

```
INNERJOIN from Tablename1 x1 to x2 , row to col ?=
Tablename2 By 1 1 : {rowindexes} :{rowindexes} : {0} ;
```

Explanation:

InnerJoin means the intersection between two tables.
ie) the common rows.

22) SelectIN Statement

```
SelectIN from Tablename1 x1 to x2 , row to col ?=
MEMBERDATA By 1 1 : {0} :{0} : {0} ;
```

Explanation:

========

SelectIn data is used to test whether the given member data is f ound or not then print that data.

23) SelectNOTIN Statement

```
SelectNOTIN from Tablename1 x1 to x2 , row to col ?=
MEMBERDATA By 1 1 : {0} :{0} : {0} ;
```

Explanation:

SelectIn data is used to test whether the given member data is f ound or not then print that data.

24) Count(*)

```
Count(*) from Tablename1 x1 to x2 , row to col ?=
X By 1 1 : {0} :{0} : {0} ;
```

Explanation:

It is used to list no of rows in table tablename1.

not then print that data.

24) ENCRYPT

```
Encrypt from Tablename1 x1 to x2 , row to col ?=
X By 1 1 : {0} :{0} : {0} ;
```

Explanation:

It is used to Encrypt a table tablename1.

25) DECRYPT

```
Decrypt from Tablename1 x1 to x2 , row to col ?= X By 1 1 :
{0} :{0} : {0} ;
```

Explanation:

It is used to Decrypt a table tablename1.

26) SelectCols

SelectCols from Tablename1 x1 to x2 , row to col ?= X By 1 1 : {column indexes} :{0} : {0} ;

Explanation

It is used to list the column values according to column indexes .

27) Distinct

DISTINCT from Tablename1 x1 to x2 , row to col ?= X By 1 1 : {column indexes} :{0} : {0} ;

Explanation

It is used to remove duplicate column values according to colu mn indexes.

28) INSERT STATEMENT

```
Insert from Tablename index1 to lastindex1 , row to
col ?= Character By X X : {rowsetvalues1--
rowsetvaluesn} : {0} : {0}";
```

Explanation

It is used to insert rowset values from Tablename by given rows and cols.

29) SelectUPPER Statement

```
SelectUPPER from Tablename index1 to
lastindex1 , row to col ?= Character By X X : {0} :
{0} : {0}";
```

Explanation

It is used to list the values from TableName in Uppercase by given rows and cols.

30) SelectLOWER Statement

```
SelectLOWER  from Tablename index1 to
lastindex1 , row to col  ?= Character By X X
: {0} : {0} : {0}";
```

Explanation

It is used to list the values from TableName in Lowercase by given rows and cols.

31) PRIMARYKEY

```
PrimaryKey from Tablename index1 to lastindex1 ,
row to col ?= Character By X X : {0} : {0} : {0};
```

Explanation

It is used to remove the Duplicate values or print unique values from TableName

by given rows and cols.

32) InsertDESC

```
InsertDESC from Tablename index1 to
lastindex1 , row to col ?= Character By X X : {0} :
{0} : {0};
```

Explanation:

It is used to insert table describtion

32) SelectDESC

```
SelectDESC from Tablename index1 to lastindex1 , row to col ?=
Character By X X : {0} : {0} : {0};
```

Explanation:

It is used to list about table description.

33) SelectC*

```
SelectC* from Tablename index1 to lastindex1 ,
row to col ?= Character By X X : {0} : {0} : {0};
```

Explanation

It is used to Count no of columns present in the table

33) SelectR*

```
SelectR* from Tablename index1 to lastindex1 ,
row to col ?= Character By X X : {0} : {0} : {0};
```

Explanation

To compute howmany rows in field table use SELECTR* and display it in table format

34) <HAVING> Clause

```
<HAVING> from Tablename index1 to lastindex1 , row
to col ?=[Rowindexes1],[Rowindexes] 1 1 : {0} :
{Rowsetvalues} :{0}
```

Explanation

It is used to perform aggregate f(x) to column and in condition (eg) (SUM)(fields) > 0 and combine the join results ..

35) UPDATE STATEMENT

UPDATE from Tablename index1 to lastindex1 , row to col ?= X By 1 1 : {value1} :{value2}:{0}

Explanation

It is used to Update value1 to value2 from Tablename by given rows and cols.

36) SelectLike Statement

SelectLike from Tablename index1 to lastindex1 , row to col ?= Character By X X : {0} :{0}:{0}

Explanation:

Display all names with middle name , last, firstname

37) LOC Statement

Loc is used to find the given data stored in a location in a table.

SYNTAX:

LOC from Tablename index1 to lastindex1 , row to col ?= Character By X X : {0} :{0}:{0}

38) AVG()

AVG() from Tablename index1 to lastindex1 ,
row to col ?= X By X X : {numbervalues} :{0}:{0}

Explanation:

It is used to compute Avg of given values...

39) MAX()

MAX() from Tablename index1 to lastindex1 ,
row to col ?= X By X X : {numbervalues} :{0}:{0}

Explanation:

It is used to compute MAX of given values...

40) MIN()

MIN() from Tablename index1 to lastindex1 , row to
col ?= X By X X : {numbervalues} :{0}:{0}

Explanation:

It is used to compute MIN of given values...

41) SUM()

SUM() from Tablename index1 to lastindex1 , row to col ?= X By X X : {numbervalues} :{0}:{0}

Explanation:

It is used to compute SUM of given values...

42) DATACOMPARE (ASC/DESC)

i) DateCompareDESC from DATES index1 to index2 , rows to cols ?= X By XX : {Indexvalues} :{0}:{0};

ii) DateCompareASC from DATES index1 to index2 ,
rows to cols ?= X By XX : {Indexvalues} :{0}:{0};

This statemets i) and ii) is used to
List Dates in Ascending or Descending order
according to IndexValues.

43) CLUSTER DEMOS

a) CLUSTER:

CLUSTER from index1 to index2 , rows to cols ?= x By x
f(x) : {DATAVALUES}: {0} :{0}

Explanation:

To Store CLUSTER of Data form a
given range in a encrypted and retrieve from encrypted file...

b) CLUSTERPROPERTY

CLUSTERPROPERTY from index1 to index2 , rows to cols ?= x By x f(x) : {DATAVALUES}: {0} :{0};

Explanation

To compute clustertable size, display data, display system date, Display remaning space available to store values in a cluster table.

c) BACKUPCLUSTER :

BACKUPCLUSTER from index1 to index2 , rows to cols ?= x By x f(x) :{DATAVALUES}: {0} :{0};

Explanation

TO RESTORE the Lost CLUSTER DATA and automatically store the contents in a table.

What are the Things Needed to execute the Query?

Step-1:

String g = WDBASQL.WDBASQLS("databasename", "USEDATABASE", "dbpasswordtablename", "pathwhereserverdataisstored");

Step-2:

```
String   t =
WDBASQL.WDBASQLS("dbusertable",
"dbpwdtable", 1, "username", "password", 1, 5,
g);
```

Step-3:

```
char  c=' ';
```

```
String query ="WNOSQL DB STATEMENTS";
```

Step-4:

```
WDBA.writeln(""+WDBALIB.WDBAQUERY( quer
y,  t));
```

UNIT:3- WNOSQL(PLSQL*) BASICS

The WNOSQL PLSQL statements

The WnoSql statements which is listed which are given below.

Insert => Insert values into the table and create a new table

eg-1)

```
WDBASQL.Query("Insert","table" ,"",values,0,"","", null,"",0,"
","",c,null,t,rows,cols);
```

```
WDBA.writeln((manipulate.Signal("MANIPULATE","Select query"
,"tablename","column1,column2,...","?,?...",rows+1,"Drivers","da
tasource","username","password",

"newencrytedtable")));
```

Select All => Select all rows from the table from a given range

eg)

WDBASQL.Query("SelectAll","tablename" ,range1,null,range2,"","", null,"",0," ","",c,null,t,rows,cols);

Select => Select a particular column (key) values from a table

WDBASQL.Query("Select","tablename" ,range1,null,key,"","", null,"",0," ","",c,null,t,rows,cols);

DateCompare => It is used to compare dates

WDBA.writeln("value="+WDBASQL.Query("DateCompare","datetable" ,"datetable2",null,noofcolumns,"datetable2",pwd, null,"",0," ","",c,null,t,rows,cols));

DateCompareAsc => it is used to compare dates and sort the date in ASC

WDBA.writeln("value="+WDBASQL.Query("DateCompareASC","datetable" ,"datetable2",null,noofcolumns,"datetable2",pwd, null,"",0," ","",c,null,t,rows,cols));

SelectRange => It is used to select column values with in a range

```
WDBA.writeln("value="+WDBASQL.Query("SelectRange","tablename" ,"datarange1",null,noofcolumns,"datarange2",pwd, null,"",0," ","",c,null,t,rows,cols));
```

Search => Search a data with in a table

```
WDBA.writeln("value="+WDBASQL.Query("Search","tablename" ,"0",null,totalrows,"data",pwd, null,"",0," ","",c,null,t,rows,cols));
```

SearchGT => Search data which is greater than a given data

```
WDBA.writeln("value1="+WDBASQL.Query("SearchGT","tablename" ,"0",null,totalrows,"data",pwd, null,"",0," ","",c,null,t,rows,cols));
```

SearchLS =>Search data which is lesser than a given data

```
WDBA.writeln("value2="+WDBASQL.Query("SearchLS","tablename" ,"0",null,totalrows,"data",pwd, null,"",0," ","",c,null,t,rows,cols));
```

AVG => it is used to compute the avg of the given datas

WDBASQL.Query("AVG","tablename" ,"",null,noofcols,"","", null,"",0," ","",c,null,t,rows,cols);

MAX => it is used to find the max of the given datas

WDBASQL.Query("MAX","tablename" ,"",null,noofcols,"","", null,"",0," ","",c,null,t,rows,cols);

MIN=> it is used to find the max of the given datas

WDBASQL.Query("MIN","tablename" ,"",null,noofcols,"","", null,"",0," ","",c,null,t,rows,cols);

DSerialize=> it is used to deserialize and retrieve the data

WDBASQL.Query("DSerialize","wilmix" ,"","",0,"",pwd, null,"",0," ","",c,null,t,rows,cols);

Update => Insert a value into table but the last columns values be deleted

WDBASQL.Query("Update","tablename" ,"datatobeupdated",null,nooforows,"newdata",pwd, null,"",0," ","",c,null,t,rows,cols);

Delete => Delete a particular data or delete all the datas

WDBASQL.Query("Delete","tablename" ,"datatobeupdated",null,nooforows,"newdata",pwd, null,"",0," ","",c,null,t,rows,cols);

InsertDB => Store the data in WDBA file

WDBASQL.Query("INSERTDB","tablename" ,"",String,0,"",pwd, null,"",0," ","",c,null,t,rows,cols);

SelectIntOrderByAsc
=> Sort all Int data in Table by Ascending order

WDBASQL.Query("SelectIntOrderByAsc",tablename,startindex ,null,endingindex,"123","",null,"",0,"","",char,null,password,row,cols);

SelectIntOrderByDesc
=> Sort all Int data in Table by Descending order

WDBASQL.Query("SelectIntOrderByDesc",tablename,startindex ,null,endingindex,"123","",null,"",0,"","",char,null,password,row,c ols);

SelectOrderByAsc
=> Sort all data in Table by Ascending order

WDBASQL.Query("SelectOrderByASC",tablename,startindex ,null,endingindex,"123","",null,"",0,"","",char,null,password,row,c ols);

SelectIntOrderByDESC
=> Sort all data in Table by Ascending order

WDBASQL.Query("SelectOrderByDESC",tablename,startindex ,null,endingindex,"123","",null,"",0,"","",char,null,password,row,c ols);

Insert => Insert the values from arraylist to the tablena me

WDBASQL.Query("Insert",tablename ,"",arraylist,0,"","", null,"",0," ","",char,null,password,row,cols);

SelectIN => Display or
check whether the member is present in the table.

WDBASQL.Query("SelectIN",tablename ,startindex,null,endingindex,data,"",null,"",0,"","",char,null,password,row,cols);

SelectNOTIN => Display all member is present in the table.

WDBASQL.Query("SelectNOTIN",tablename ,startindex,null,endingindex,data,"",null,"",0,"","",char,null,password,row,cols);

SelectLike => Display all names with middle name , last, firstname

WDBASQL.Query("SelectLike",tablename ,startindex,null,endingindex,"","",null,"",0,"","",char,null,password,row,cols);

Count(*) => to count no of rows in the table

WDBASQL.Query("Count(*)",tablename ,"0",null,0,"","",null,"",0,"","",c,null,password,row,cols);

MATH => Apply mathematical functions in a table

WDBASQL.Query("MATH",tablename ,"0",null,0,"0","",null,"",0,"",function,c,null,password,row,cols);

Encrypt => Encrypt the table

WDBASQL.Query("Encrypt",tablename ,"0",null,0,"5","",null,"",0,"","",c,null,password,row,cols);

Dencrypt => Dencrypt the table

WDBASQL.Query("Dencrypt",tablename ,"0",null,12-3,"5","",null,"",0,"","",c,null,password,row,cols);

Droptable => Drop the table

WDBASQL.Query("DropTable",tablename ,"0",null,0,"0","",null,"",0,"","",c,null,password,row,cols);

INSERTINTO => Insert Arraylist into tablename

WDBASQL.Query("INSERTINTO",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","",c,null,password,row,cols);

DeleteAll=> Delete All the contents from table

WDBASQL.Query("DeleteAll",tablename ,"0",null,0,"","",null,"",0,"","",c,null,password,row,cols);

AVG=> AVG of nos from table

WDBASQL.Query("AVG()",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","" ,c,null,password,row,cols);

MAX=> MAX of nos from table

WDBASQL.Query("MAX()",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","" ,c,null,password,row,cols);

MIN=> MIN of nos from table

WDBASQL.Query("MIN()",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","" ,c,null,password,row,cols);

MAX=>SelectColumns between range startingindex and endingindex

depends upon the the given arryalist values from table

WDBASQL.Query("SelectCols",tablename,startindex,null,endingindex,"0","",ARRAYLISTINSERTION,"",0,"","",c,null,password,row,cols);

Count() => to count the occurance of data with in a given range

startingindex and endingindex from the table.

WDBASQL.Query("Count()",tablename ,startindex,null,endingindex,data,"",null,"",0,"","",c,null,password ,row,cols);

DISTINCT => is used to remove duplicates from the table

WDBASQL.Query("DISTINCT",tablename ,startindex,null,endingindex,"","", ARRAYLISTINSERTION,"",0,"11","",c,null,password,row,cols);

SUM() => To find the sum of nos in a given

Arraylist column indexes.

WDBASQL.Query("SUM()",tablename ,null,null,null,"","",ARRAYLISTINSERTION,"",0,"","",c,null,password,row,cols);

LOC() => is used to find the given data stored in a location in a table.

WDBASQL.Query("LOC()",tablename ,startindex,null,endingindex,data,"",null,"",0,"","",c,null,password ,row,cols);

MATCH() => to get match columns locations in a arraylsit of values with in a range matching the given data

WDBASQL.Query("MATCH",tablename ,startindex,null,endingindex,data,"",null,"",0,"","",c,null,password ,row,cols);

DateCompareDESC => To sort the given dates present in a table by ascending order.

WDBASQL.Query("DateCompareDESC",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","" ,c,null,password,row,cols);

DateCompareDESC => To sort the given dates present in a table by Decending order.

WDBASQL.Query("DateCompareASC",tablename ,startindex,null,endingindex,"","",ARRAYLISTINSERTION,"",0,"","" ,c,null,password,row,cols);

INNERJOIN =>
Join two table based on the matching column values

WDBASQL.Query("INNERJOIN",tablename1,"0",null,0,tablename2 ,"",ARRAYLISTINSERTION1,"",0,"","",c,ARRAYLISTINSERTION2,pa ssword,row,cols);

InsertDesc = > Create table fields

WDBASQL.Query("InsertDESC", tablename, "0", ARRAYLISTINSERTION, 0, "", "", null, "", 0, "", "", c, null,password,row,cols);

INSETINTO = > Used to insert a arraylist collection values in the table

this is mostly used for insertion.

WDBASQL.Query("INSERTINTO", tablename, "0",null,

arraylistsize(),"0","",null,"",0,"","",c,ARRAYLISTINSERTION2,password,row,cols);

SELECTRVAL =>Selectall values from rows in a table and compute the size.

WDBASQL.Query("SELECTRVAL",tablename, "0", null, 0, "0", "", null, "", 0, "", "", c,null,password,row,cols);

LEFTJOIN => The LEFT JOIN keyword returns all rows from the left table (table1), with the matching rows in the right table (table2). The result is NULL in the right side when there is no match.

WDBASQL.Query("LEFTJOIN",tablename1,"0",null,0,tablename1,"",
ARRAYLISTINSERTION1,"",0,"","",c,ARRAYLISTINSERTION2,password,row,cols);

RIGHTJOIN =>The RIGHT JOIN keyword returns all rows from the left table (table1), with the matching rows in the right table (table2). The result is NULL in the right side when there is no match.

WDBASQL.Query("RIGHTJOIN",tablename1,"0",null,0,tablename1,"",
ARRAYLISTINSERTION1,"",0,"","",c,ARRAYLISTINSERTION2,password,row,cols);

AND => is used to combine two results of Query and put them into arraylist for futhure use.

WDBASQL.Query("AND", "", startindex,null,endingindex, "", "", ARRAYLISTINSERTION1, "", 0, "", "", c,ARRAYLISTINSERTION2,password,row,cols);

Foreignkey => It is used to set Foreign key between startindex and endingindex

of the table ; but it will also accept null and duplicate values.

WDBASQL.Query("ForeignKey",tablename1, startindex,null,endingindex, "", "", null, "", 0, "", "", c, null,password,row,cols);

HAVING => it is used to perform aggregate f(x) to column and in condition (eg) (SUM)(fields) > 0 and combine the join results ..

WDBASQL.Query("<HAVING>",tablename1, startindex,null,endingindex,"[col1,col3..],[col1,col3..]","",ARRAYLISTINSERTION1,"",0,"","", c,ARRAYLISTINSERTION2,password,row,cols);

To compute howmany rows in field table use SELECTR and display it in table format*

WDBASQL.Query("SELECTR",tablename ,"0",null,0,"0","",null,"",0,"","",c, null,password,row,cols);*

Select all Row values for given Row list value use SELECTROWS for the given range

WDBASQL.Query("SELECTROWS",tablename ,"0",null,0,"0","",null,"",0,"","",c, null,password,row,cols);

Select all Column values for given column list Indexed value use SELECTCOLUMNS for the given range

WDBASQL.Query("SELECTCOLUMNS",tablename ,"0",null,0,data, "",INSERTIONARRAYLIST,"",0,"","",c, null,password,row,cols);

Select all Row values for given row list value based on indexes for given range and increment the counter based on counter value

WDBASQL.Query("SELECTINDEXES",tablename ,"0",null,0,data," ",INSERTIONARRAYLIST,"",0,"","",c, null,password,row,cols);

Encode String to numbers

WDBASQL.Query("SelectAssign",tablename1, assignindex,null,endingindex,"1","",null,INSERTIONDATALIST,0,"" ,"",c, null,password,row,cols);

InsertValues into the table

WDBASQL.Query("InsertValues",tablename1, startindex,null,endingindex,"","",null,INSERTIONDATAARRAYSTRINGLIST,0,"","INSERT1",c, null,password,row,cols);

To Count no of columns present in the table

WDBASQL.Query("SELECTC",tablename ,"0",null,0,"0","",null,"",0,"","",c, null,password,0,1);*

Select particular column value from the table

WDBASQL.Query("Select",tablename ,"0",null,endingindex,"0","",null,"",0,"","",c, null,password,0,1);

PrimaryKey => it is used to remove duplicates and null values

WDBASQL.Query("PrimaryKey",tablename1, startindex,null,endingindex, tablename1, "", null, "", 0, "", "", c, null,password,row,cols);

SelectUPPER => Select all the values in a given range from

table and convert to upper case.

WDBASQL.Query("SelectUPPER",tablename , startindex,null,endingindex,"","",INSERTIONARRAYLIST,"",0,"","", c, null,password,row,cols);

SelectLOWER => Select all the values in a given range from table and convert to upper case.

```
WDBASQL.Query("SelectLOWER",tablename ,
startindex,null,endingindex,"","",INSERTIONARRAYLIST,"",0,"","",
c, null,password,row,cols);
```

To display system date and time

```
WDBASQL.Query("SYSDATE","" ,"",null,0,"","",null,"",0,"","",c,
null,password,row,cols);
```

To display dateandtime in a format given

```
WDBASQL.Query("ManipulateDate()","" ,
startindex,null,endingindex,"","",INSERTIONARRAYLIST,"",0,datef
ormatstring,"",c, null,password,row,cols);
```

To Store CLUSTER of Data form a given range in a encrypted and retrieve from encrypter file...

```
WDBASQL.Query("CLUSTER",tablename ,
startindex,null,endingindex,"","", INSERTIONARRAYLIST,"",0,"
","",c, null,password,row,cols);
```

TO RESTORE the Lost CLUSTER DATA and automatically store the contents in a table.

WDBASQL.Query("BACKUPCLUSTER",tablename ,startindex,null,endingindex,"","", null,"",0," ","",c, null,password,row,cols);

To compute clustertable size, display data, display system date, Display remaning

space available to store values in a cluster table.

WDBASQL.Query("CLUSTERPROPERTY",tablename ,startindex,null,endingindex,"","", null,"",0," ","",c, null,password,row,cols).get(row,cols);

To convert date to calendar

DatetoCalendar() => Inputstring(fx,data)

To convert date to String

DatetoString() =>Inputstring(f(x) ,data)

To convert calendar to date

CalendartoDate()=>

To return dateand time in a given format for the columns (0-year, 1-month,2-year)=>

Specify this in arraylist.

getCalender() => Inputstring(f(x),columns)

To convert String to date

StringtoDate()=> Inputstring(f(x) ,data)

To search a data with in a given range

Search=> Inputstring(data,i111,key)

To set triggers and allias for the table.

InsertAllias,InsertTriggers =>Inputstring(obj)

To select all the Allias from the table

SelectAllias =>Inputstring(cmd,key)

To check whether given data is greater than or less than from

the range of values from the table.

SearchGT,SearchLS => Inputstring(i111,key,cmd)

To select all the Triggers from the table

SelectTriggers => Inputstring(cmd,key)

To select all the columns or field names from the table.

SelectDESC => Inputstring(0 to key)

To Serialize or Deserialize a table.

DSerialize,Serialize()=> Inputstring(cmd)

To select all the range values from the table

SelectRange()=>Inputstring(i111 to key)

To Delete all the contents form the table.

DeleteAll => Inputstring(cmd)

To Delete a range from a table

WDBASQL.Query("DELETE", "tablename", "0", null, 0, "0", "", columns, "", 0, "", "", c, null, password, rows, cols);

To Recall the values stored in the file and convert to tab le format.

RECALL => Inputstring(cmd)

To Insert values in .wdba file and retrieve it...

INSERTDB => Inputstring(cmd)

To create an empty table with fields

WDBASQL.Query("CREATETABLE", "tablename", "0", null, 0, "0", "", arraylisttablename, "", 0, "", "", c, arraylistintialvalues, t, rows,cols);

TO insert values into batch table.

WDBASQL.Query("INSERTBATCHTABLE", "tablename", "0", null, 0, "0", "", arraylisttablenames, "", 0, "", "", c, arraylisttablevalues, t, rows,cols);

To insert password into password table

WDBASQL.Query("Password", "tablename", "0",passwordarraylist, 0, "0", "", null, "", 0, "", "", c, null, t, rows,cols);

To insert username into username table

WDBASQL.Query("Username", "tablename", "0",usernamearraylist, 0, "0", "", null, "", 0, "", "", c, null, t, rows,cols);

a) CREDENTIALS methods and how you create a database ?

==========

WDBASQL.Query("CreateDatabase","datastorehgh" ,"0",dbpwd,0,"","", null,"",0," ","",c,null,t,0,0);

String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE", "wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");

String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix", "Wilmixjemin12345",1,5,g);

ArrayList ar788=WDBASQL.Query("Password", "dbpwds", "0",ar9s, 0, "0", "", null, "", 0, "", "", c, null, t, 1,5);

ArrayList ar788=WDBASQL.Query("Username", "dbuser", "0",ar9s, 0, "0", "", null, "", 0, "", "", c, null, t, 1,5);

default will be "Username" for username and pwd for password

i) COMMIT for dropping the table

WDBASQL.Query("commit", tablename, "0", null, 0, "", "", null, "", 0, "", "", char, null, pasword, rows, cols);

j) CLUSTER to store group of data in a encrypted form for futhure use.

WDBASQL.Query("CLUSTER",tablename ,rangestart,null,rangeend,"","", arraylistdata,"",0," ","",char, null, pasword, rows, cols);

MOST IMPORTANT METHOD API FOR WNOSQL PLSQL ODBCDRIVER

public static ArrayList deserialize(String line, String cmd,String i111,Object obj,int key, String data,ArrayList columns,String values,int sheetno,String fx,String sname,char c2,ArrayList columns1,int rc , int cc)

line =>command

cmd => table

i111=> startingrange

obj => To pass any datatype

key => endingrange

data=> data to be searched or manipulated

Columns => table1 columns indexed values to be manipulated

values => Insert values

int sheetno=> sheetno (default must be 0)

String fx=> mainly used for math functions

String sname => Sheetname

char c2=> Mostly used in character occurance testing

ArrayList columns1=>table1 columns indexed values to be manipulated

int rc => rows

int cc=> cols

Note: You can use this api to pass the Inputstring parameters

WDBASQL.QUERY(????)

FAQS?

HOW WNOSQL DB STORE AND RETRIEVE THE DATA? HOW IT RESTORE THE DATA ?

WNOSQL stores the data in the form of cluster.

Every database file .wdba has .cluster file and

WNOSQL database .wdba
contents is first passed to cluster datastructure and such data is stored in a cluster form and cluster encrypted form
by using CLUSTER QUERY.

CLUSTERSTORE will retrieve the contents and put the contents again in .wdba file for futhure use.

If you lost all the data no need to worry about it.

just pass BACKUPCLUSTER with clustername in WNOSQLQUERY..

.wdba and cluster files with datas are restored

from cluster encrypted file.

so don't delete cluster encrypted files in c:/Program/CDollar...

UNIT:4-> WNOSQL(WSQL*) FORMS AND REPORTS

WDBA.writeln("html tags");

HTML.displayhtml("html file");

<TRY> => try block

<CATCH> => Catch block in wnosql

<EXE> => Exception

SYNTAX:

=======

<WNOSQL>

<PACK>

<DATALIB> namespacename

<DATA>

public <CLASS> classname

{

public void main()

{

<!WNOSQL Statements !>

}

}

</DATA>

EXAMPLE:

========

<WNOSQL>

<PACK>

<DATALIB> namespacename

<DATA>

public class WDBALogin --> <Serialize>

{

public void main( ) throws <EXE> // main program with throw //Exception

{

<TRY>

{

WDBA.writeln("<html><head><title>WDBA LOGIN</title> </head>");

WDBA.writeln("<body class=fancy>");

WDBA.writeln("<form action=http://localhost:5000/view1.WNOSQL method=post >");

```
WDBA.writeln("<div id=pageContainer>");

    WDBA.writeln("<img src=images/banner1.png alt=WDBA Login
@ Jemin Information Technology (C) ALL RIGHTS RESERVED>");

    WDBA.writeln("<div id=pageContent>");


     WDBA.writeln("<div id=chaptersAccordion>");


        WDBA.writeln("<h2><a href=#chapter1>Enter your System
Details</a></h2>");

        WDBA.writeln("<div>");



WDBA.writeln("<p>Enter your Username : <input type=text
name=uname size=15/></p>");

WDBA.writeln("<p>Enter the password : <input type=password
name=password size=25 /></p>");

WDBA.writeln("<p>Enter the TABLE NAME : <input type=password
name=table11 size=25 /></p>");

WDBA.writeln("<p>Enter the system password : <input type=password
name=spwd size=25 /></p></div>");
```

```
WDBA.writeln("<div><input type=submit name=Click><input type=reset name=Clear></div>");

WDBA.writeln("</form></body></html>");


}

<CATCH>(<EXE> e){}

}

}

</DATA>

</WNOSQL>
```

Explanation:

========

All WNOSQL program should begin with <WNOSQL>

and <PACK> is used to import utilities packages like

arraylist , linked list etc.

And <DATALIB> is namespace for WNOSQL.

and <DATA> represents the Logic of WNOSQL

oops plsql logic.

WDBA.Writeln => to print the string in webconsole

HTML.displayhtml("htmlfile")=> it is used

to display html forms and reports.

UNIT:5-> Use of WNOSQL(*) Funnel

WNOSQL(*) Funnel

It is used to transfer from Mysql/Oracle/SqlServer to wnosql db
So it is called Wnosql Funnel or Wnosql Pipe. Wnosql uses backup call Api. To know more About Wnosql Funnel go to website:
https://sites.google.com/site/wnosqlsecurabledatabase/wnosqlsamples at **sample 25**.

Syntax
======
wnosqlCon.Backupcall(driver,connection url,username,password,
dbquery,dbfields,how many parameters,wnosqlpath,
wnosqlusername,wnosqlpassword,wnosqltable,no of fields of selected
query,row,cols,formatnumber);

Example
=======

String params = "employee_id,first_name,last_name,EMAIL,PHONE_NUMBER";

// specify oracle drive ,oracle connection,oracle username,oracle password,Oracle Query,employees table parameters params, how many parameters,

//wnosql path,wnosql username,wnosql pwd , tablename, tablesize,row,cols,format type

wnosqlCon.Backupcall("oracle.jdbc.driver.OracleDriver","jdbc:oracle:thin:@localhost:1521:xe","hr",
"dove1234",

"Select employee_id,first_name,last_name,EMAIL,PHONE_NUMBER from
employees",params,4,"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL-cod",

"wilmix78","wilmix78","employees",5,1,7,1);

1) WRITE A WNOSQL PROGRAM TO SELECT ALL STUDENTS FROM A STUDENT TABLE?

```
<WNOSQL>

<PACK>

<USE> CDOLLAR.WDBA; //LOAD WNOSQL PACKAGES


<DATALIB> PS

<DATA>

PUBLIC <CLASS> SQL3

{




PUBLIC VOID MAIN()




{



STRING G=WDBASQL.WDBASQLS("DATASTOREHGH","USEDATABASE",
"WILMIX","C:\\PROGRAMS\\WNOSQL\\WNOSQLPROGRAMFILES\\WNOSQL");
```

STRING T= WDBASQL.WDBASQLS("LOGINUSER","PWDUSER",1,"WILMIX", "WILMIXJEMIN12345",1,5,G);

WDBASQL.QUERY("SELECTALL","STUDENT" ,"0",NULL,15,"","",, NULL,"",0," ","",C,NULL,T,1,1);

}

}

</DATA>

2) Apply SelectOrderByASC to the PLSQL to table Orders for 0 to 19 records what happens?

<WNOSQL>

<PACK>

<USE> CDOLLAR.WDBA; //LOAD CDOLLAR.WDBA LIBRARIES

<DATALIB> PS // NAMESPACE PS

<DATA>

PUBLIC <CLASS> DATA

```
{

PUBLIC VOID MAIN()

{
STRING G=WDBASQL.WDBASQLS("DATASTOREHGH","USEDATABASE",
"WILMIX","C:\\PROGRAMS\\WNOSQL\\WNOSQLPROGRAMFILES\\WNOSQL");

STRING T= WDBASQL.WDBASQLS("LOGINUSER","PWDUSER",1,"WILMIX",
"WILMIXJEMIN12345",1,5,G);
CHAR C=' ';

WDBASQL.QUERY("SELECTORDERBYASC","ORDERS","0"
,NULL,19,"123","",NULL,"",0,"","",C,NULL,T,1,1);

}

}

}
```

UNIT:7 : WNOSQL(WSQL*) PLSQL PROGRAMMING

WNOSQL(*) PLSQL follows basic WNOSQL(*) api syntax

WNOSQL(*) put all the results in arraylist

for future use.

Program-1:

Write a program to display the matching data rows and

perform innerjoins between two table.

<WNOSQL> // Beginning of wnosql plsql program

<PACK> //load all wnosql packages

<USE> CDollar.WDBA; //use CDollar.WDBA packages

<DATALIB> ps // create name space ps

<DATA> //write wnosql logic

```
public <CLASS>  DATA

{



public void main() //like C main

{

//kindly refer wnosql  fundemantals



String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");

String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';
```

*ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0001","
",null,"",0,"1","",c,null,t,1,1);*

*ArrayList arhd1gy1 =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0002","
",null,"",0,"1","",c,null,t,1,1);*

*ArrayList arhd1gyy =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0003","
",null,"",0,"1","",c,null,t,1,1);*

*ArrayList arhd1gy1y =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0005","
",null,"",0,"1","",c,null,t,1,1);*

ArrayList artr11= new ArrayList();

for(int i=0;i<arhd1gy.size();i++)

artr11.add(arhd1gy.get(i));

```
for(int i=0;i<arhd1gy1.size();i++)

artr11.add(arhd1gy1.get(i));


for(int i=0;i<arhd1gyy.size();i++)

artr11.add(arhd1gyy.get(i));


for(int i=0;i<arhd1gy1y.size();i++)

artr11.add(arhd1gy1y.get(i));
```

```
ArrayList arhd1gy17 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0001"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy117 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0002"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0003"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy1178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0005"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList artr117= new  ArrayList();

for(int i=0;i<arhd1gy17.size();i++)

artr117.add(arhd1gy17.get(i));

for(int i=0;i<arhd1gy117.size();i++)

artr117.add(arhd1gy117.get(i));

for(int i=0;i<arhd1gy178.size();i++)

artr117.add(arhd1gy178.get(i));

for(int i=0;i<arhd1gy1178.size();i++)

artr117.add(arhd1gy1178.get(i));
```

ArrayList datas1=WDBASQL.Query("INNERJOIN","Orders","0",null,19,"employess" ,"", artr11,"",0,"","",c,artr117,t,1,1);

}

}

}

Kindly use WNOSQL EDITOR to see the output.

Program-2: Write a Program to finding matching data rows

and perform right join, use having clause , use innerjoin in this case:

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

```
<DATA>

public <CLASS>  DATA


{




public void main()


{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';
```

```
ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders","0",null,19,"0001","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1 =WDBASQL.Query("MATCH","Orders","0",null,19,"0002","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gyy =WDBASQL.Query("MATCH","Orders","0",null,19,"0003","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1y =WDBASQL.Query("MATCH","Orders","0",null,19,"0005","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList artr11= new  ArrayList();
```

```
for(int i=0;i<arhd1gy.size();i++)
artr11.add(arhd1gy.get(i));
```

```
for(int i=0;i<arhd1gy1.size();i++)

artr11.add(arhd1gy1.get(i));


for(int i=0;i<arhd1gyy.size();i++)

artr11.add(arhd1gyy.get(i));


for(int i=0;i<arhd1gy1y.size();i++)

artr11.add(arhd1gy1y.get(i));
```

```
ArrayList arhd1gy17 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0001"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy117 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0002"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0003"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy1178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0005"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList artr117= new  ArrayList();

for(int i=0;i<arhd1gy17.size();i++)

artr117.add(arhd1gy17.get(i));

for(int i=0;i<arhd1gy117.size();i++)

artr117.add(arhd1gy117.get(i));

for(int i=0;i<arhd1gy178.size();i++)

artr117.add(arhd1gy178.get(i));

for(int i=0;i<arhd1gy1178.size();i++)

artr117.add(arhd1gy1178.get(i));
```

```
ArrayList cols = new  ArrayList();


cols.add(0);
cols.add(1);
cols.add(2);
cols.add(3);
cols.add(4);
cols.add(5);
//cols.add(6);
//cols.add(7);
//cols.add(8);
//cols.add(9);
//cols.add(10);
//cols.add(11);


cols.add(0);
cols.add(1);
cols.add(2);
```

```
ArrayList cols111 = new ArrayList();

cols111.add(0);


cols111.add(1);



cols111.add(2);

cols111.add(3);

cols111.add(4);

cols111.add(5);

//cols111.add(6);

//cols111.add(7);

//cols111.add(8);

cols111.add(9);

cols111.add(10);

cols111.add(11);



ArrayList  datas44=WDBASQL.Query("RIGHTJOIN","Orders","0",null,0,"employess"
,"", cols,"",0,"","",c,cols111,t,1,1);
```

```
ArrayList colss7 = new  ArrayList();



colss7.add(2);

ArrayList datas16=WDBASQL.Query("<HAVING>","Orders","0",null,1,"[3,6,2,2],[2,
5,2,2]","",colss7,"",0,"","",c,datas44,t,1,1);



ArrayList  datas1=WDBASQL.Query("INNERJOIN","Orders","0",null,19,"employess"
,"", artr11,"",0,"","",c,artr117,t,1,1);




}

}


}
```

Program -3: *Use Intorderby Ascending and descending order*

and use Orderby ascending and descending order for the String datatype table.

```
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<DATALIB>  ps
<DATA>
public <CLASS>  DATA

{



public void main()

{
```

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");

String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';

WDBASQL.Query("SelectOrderByASC","Orders","0"
,null,19,"123","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectOrderByDESC","Orders","0"
,null,19,"123","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectIntOrderByAsc","nos","0"
,null,4,"123","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectIntOrderByDesc","nos","0"
,null,4,"123","",null,"",0,"","",c,null,t,1,1);
```

}

}

}

Program 4:

==========

Write a WNOSQL Program to store the student query values in WDBA table

from SQLSERVER for the given fields
sno,tmark,rank and store it in encrypted form

and again store the data in sqlserver for future use with C# program.

<WNOSQL>

```
<PACK>


<DATALIB>  ps

<DATA>

public <CLASS>  SQL3

{




public void main()



{


WDBA.writeln((manipulate.Signal("MANIPULATE","Select * from student","stud
ent","sno,tmark,rank","?,?,?",4,"oracle.jdbc.driver.OracleDriver","jdbc:oracle:thin:
@localhost:1521:xe","system","jemin","wilmix2"))

}

}


</DATA>
```

Note : use manipulte .dll in this case..

Program5:

Write a program and use the following WNOSQL commands

and perform manipulation using

a) SELECT IN

b) SELECTLIKE

c) COUNT(*)

d) Encrypt

e) Decrypt

f) SelectAll

g) AVG(), MAX() , MIN() ,LOC(),SUM()

h) SelectCOLS, Count(),Distinct,MATCH

i) Insert

j) DatecompareAsc/DESC

k)InsertDesc ,AND ,Foreign Key

for WNOSQL TABLE

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';


ArrayList arhd111 =WDBASQL.Query("SelectIN","employess"
,"0",null,11,"0002","",null,"",0,"","",c,null,t,1,1);


ArrayList arhd112 =WDBASQL.Query("SelectNOTIN","employess"
,"0",null,11,"0002","",null,"",0,"","",c,null,t,1,1);




c='D';

WDBASQL.Query("SelectLike","Orders" ,"0",null,11,"","",null,"",0,"","",c,null,t,1,1);
```

```
WDBASQL.Query("Count(*)","Orders" ,"0",null,0,"","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("MATH","nos" ,"0",null,0,"0","",null,"",0,"","acos",c,null,t,1,1);


WDBASQL.Query("Encrypt","nos" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,1);



WDBASQL.Query("Decrypt","nos" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectAll","nos" ,"0",null,4,"0","",null,"",0,"","",c,null,t,1,1);


WDBASQL.Query("SelectAll","nos" ,"0",null,4,"4","",null,"",0,"","",c,null,t,1,1);


ArrayList myList= new ArrayList();

myList.add("2005/01/12");

myList.add("2012/03/12");
myList.add("2006/03/12");
myList.add("2006/01/12");
myList.add("2005/11/12");
```

```
ArrayList arms1d = new  ArrayList();


arms1d.add(3);

arms1d.add(6);

arms1d.add(9);

arms1d.add(12);

arms1d.add(15);

arms1d.add(18);




ArrayList  sum55=WDBASQL.Query("AVG()","Orders"
,"0",null,6,"","",arms1d,"",0,"","",c,null,t,1,1);


ArrayList  sum55r=WDBASQL.Query("MAX()","Orders"
,"0",null,19,"","",arms1d,"",0,"","",c,null,t,1,1);

ArrayList  sum55gr=WDBASQL.Query("MIN()","Orders"
,"0",null,19,"","",arms1d,"",0,"","",c,null,t,1,1);


ArrayList arhd1g1 =WDBASQL.Query("LOC()","Orders"
,"0",null,19,"0002","",null,"",0,"","",c,null,t,1,1);
```

```
ArrayList  sum557=WDBASQL.Query("SUM()","Orders"
,"0",null,0,"","",arms1d,"",0,"","",c,null,t,1,1);
```

```
ArrayList arts1= new ArrayList();

arts1.add(3);

arts1.add(4);

arts1.add(5);

arts1.add(6);

arts1.add(7);

arts1.add(8);
```

```
ArrayList arh =WDBASQL.Query("SelectCols","Orders" ,"0",null,12-
3,"5","",arts1,"",0,"","",c,null,t,1,1);
```

```
ArrayList arhd =WDBASQL.Query("Count()","Orders"
,"0",null,13,"u","",null,"",0,"","",c,null,t,1,1);
```

```
ArrayList art= new  ArrayList();




art.add(0);

art.add(1);

art.add(2);

art.add(3);

art.add(4);

art.add(5);

art.add(6);

art.add(7);

art.add(8);

art.add(9);

art.add(10);

art.add(11);

WDBASQL.Query("DISTINCT","abc1","0",null,11,"","", art,"",0,"11","",c,null,t,1,1);
```

```
ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders"
,"0",null,19,"0001","",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList ardds= new ArrayList();
```

```
for (int i=0;i<myList.size();i++)
ardds.add(i);
```

```
WDBASQL.Query("Insert","emp6" ,"",myList,0,"","", null,"",0," ","",c,null,t,1,1);
```

```
ArrayList  sum55grh=WDBASQL.Query("DateCompareDESC","emp6"
,"0",null,10,"","",ardds,"",0,"","",c,null,t,1,1);
```

```
ArrayList  sum55grhr=WDBASQL.Query("DateCompareASC","emp6"
,"0",null,10,"","",ardds,"",0,"","",c,null,t,1,1);
```

```
ArrayList st = new  ArrayList();
```

```
st.add(1);
st.add("wilmix");
```

```
st.add("100");

st.add(2);
st.add("jem");

st.add("200");
st.add(4);
st.add("Peter");

st.add("200");

//st.add(3);
//st.add("Diana");

//st.add("100");
st.add(1);
st.add("");

st.add("500");
```

```
WDBASQL.Query("InsertDESC", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t, 0, 1);

ArrayList st111 = new  ArrayList();


st111.add(1);

st111.add("wilmix");



st111.add("100");


st111.add(2);

st111.add("jem");


st111.add("200");

st111.add(4);

st111.add("Peter");


st111.add("200");


//st111.add(3);
```

```
//st111.add("Diana");


//st111.add("100");
st111.add(1);
st111.add("");



st111.add("500");




ArrayList tsf1p11= WDBASQL.Query("AND", "", "0", null, 11, "", "", sum55grh, "",
0, "", "", c,sum55grhr, t, 1, 4);




ArrayList tsf1p1= WDBASQL.Query("ForeignKey", "Orders", "0", null, 17,
"employess", "", null, "", 0, "", "", c, null, t, 1, 1);


}
```

}

}

Program6:

Write a program and use the following WNOSQL commands

and perform manipulation using

a)DropTable ,InsertDesc,Insert,Insertinto,SelectRval

operations in WNOSQL Table.

<WNOSQL>

```
<PACK>

<USE> CDollar.WDBA;

<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';
```

```
ArrayList st = new  ArrayList();


st.add("indno");

st.add("name");


st.add("scoreno");

//WDBASQL.Query("DropTable","nos" ,"0",null,12-
3,"5","",null,"",0,"","",c,null,t,1,1);


WDBASQL.Query("InsertDESC", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t,
0, 1);


WDBASQL.Query("Insert", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t, 1, 4);


ArrayList st111 = new  ArrayList();


st111.add(1);

st111.add("wilmix");



st111.add("100");
```

```
st111.add(2);

st111.add("jem");


st111.add("200");

st111.add(4);

st111.add("Peter");


st111.add("200");


//st111.add(3);

//st111.add("Diana");


//st111.add("100");

st111.add(1);

st111.add("");


st111.add("500");
```

WDBASQL.Query("INSERTINTO","emp"
,"0",null,0,"0","",null,"",0,"","",c,st111,t,1,4);

ArrayList ts3j = WDBASQL.Query("SELECTRVAL", "emp", "0", null, 0, "0", "", null, "", 0, "", "", c, null, t, 1, 4);

}

}

}

Program -7:

Write a program and use the following WNOSQL commands

and perform manipulation using

a)Insert,SelectAll,CLUSTER,BACKUPCLUSTER operations in WNOSQL Table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';









ArrayList cols = new  ArrayList();


for (int  i=0;i<=1990;i+=5)


cols.add(i);









ArrayList cols1 = new  ArrayList();
```

```
for (int  i=0;i<=1990;i+=1)

cols1.add(i);

ArrayList colsd = new  ArrayList();

WDBASQL.Query("Insert","emp6" ,"0",cols,1999,"","  ", null,"",0," ","",c,null,t,1,1);

WDBASQL.Query("CLUSTER","emp6" ,"0",null,1990,"","", cols1,"",0,"
","",c,null,t,1,1);

ArrayList colsdg =WDBASQL.Query("SelectAll","emp6" ,"0",null,1990,"","",
null,"",0," ","",c,null,t,1,1);

WDBASQL.Query("CLUSTERPROPERTY","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);

WDBASQL.Query("BACKUPCLUSTER","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);
```

```
WDBASQL.Query("SelectAll","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);
```

```
}
```

```
}
```

```
}
```

Program:8

Write a program and use the following WNOSQL commands

and perform manipulation using

a) Insertdesc , INSERTINTO,Insert

b) Selectdesc , SelectC,Select R*,MATH*

c) SELECTROWS,SELECTRVAL,SELECTINDEXES

operations in WNOSQL Table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';




ArrayList ar= new  ArrayList();


for (int  i=1;i<=99;i++)


ar.add(i);


ArrayList ar1= new ArrayList();

for (int  i=0;i<=99;i+=3)


ar1.add(i);
```

```
ArrayList ar7= new ArrayList();

ar7.add("INO");

ar7.add("NOS");


ar7.add("NAME");

ar7.add("SALARY");



WDBASQL.Query("InsertDESC","nosd" ,"0",ar7,0,"","",null,"",0,"","",c,null,t,0,1);

WDBASQL.Query("Insert","nosd" ,"0",ar7,0,"","",null,"",0,"","",c,null,t,1,3);

WDBASQL.Query("INSERTINTO","nosd" ,"0",null,0,"0","",null,"",0,"","",c,ar1,t,1,3);


WDBASQL.Query("SelectDESC","nosd" ,"0",null,1,"0","",null,"",0,"","",c,null,t,0,1);


WDBASQL.Query("SELECTC*","nosd" ,"0",null,0,"0","",null,"",0,"","",c,null,t,0,1);
```

WDBASQL.Query("SELECTR","nosd" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,3);*

ArrayList art= new ArrayList();

art.add(0);

art.add(1);

art.add(2);

WDBASQL.Query("MATH","nosd" ,"0",null,0,"0","",null,"",0,"acos","",c,null,t,1,3);

```
WDBASQL.Query("SELECTROWS","nosd"
,"0",null,0,"0","",art,"",0,"","",c,null,t,1,3);


WDBASQL.Query("SELECTRVAL","nosd"
,"0",null,0,"0","",null,"",0,"","",c,null,t,1,3);


ArrayList ar71= new  ArrayList();


ar71.add(4);









ArrayList arhg8ey =WDBASQL.Query("SELECTINDEXES","nosd"
,"0",null,0,"4","",ar71,"",0,"","",c,null,t,1,3);




}


}
```

}

Program 9:

=======

Write a program and use the following WNOSQL commands

and perform manipulation using

a)SelectAssign, Insertvalues, Primary key ,AND

b) SeLectupper,Selectlower

c) SYSDATE, MANIPULATE

d) ENCRYPT,DENCRYPT

operations in WNOSQL Table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

```
<DATA>

public <CLASS>  DATA


{




public void main()


{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);char c=' ';




ArrayList art= new  ArrayList();
```

```
art.add(0);

art.add(1);

art.add(2);


ArrayList  tsf1=WDBASQL.Query("SelectAssign","columns"
,"1",null,1,"1","",null,"123,345",0,"","",c,null,t,1,1);



WDBASQL.Query("InsertValues","columns" ,"1",null,12-
1,"","",null,art.toString(),0,"","INSERT1",c,null,t,1,1);



ArrayList tsf1p=new ArrayList();


ArrayList tsf1p1= WDBASQL.Query("PrimaryKey", "abc", "0", null, 11, "abc1", "",
null, "", 0, "", "", c, null, t, 1, 1);
```

```
ArrayList tsf1p11= WDBASQL.Query("AND", "", "0", null, 11, "", "", tsf1p, "", 0, "",
"", c, tsf1p1, t, 1, 1);


ArrayList art1= new  ArrayList();



for (int  i=1;i<=6;i++)


art1.add(i);


ArrayList ass1=WDBASQL.Query("SelectUPPER","employess"
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);

ArrayList ass11=WDBASQL.Query("SelectLOWER","employess"
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);

ArrayList ass12=WDBASQL.Query("SYSDATE",""
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);



ArrayList art11= new  ArrayList();


art11.add(2016);
```

```
art11.add(10);

art11.add(15);


art11.add(5);

art11.add(-5);



WDBASQL.Query("ManipulateDate()","" ,"0",null,6,"","",art1,"",0,"yyyy MMM
dd","",c,null,t,1,1);




WDBASQL.Query("Encrypt", "employess", "0", null, 12 - 3, "5", "", null, "", 0, "", "",
c, null, t, 1, 1);



 WDBASQL.Query("Dencrypt", "employess", "0", null, 12 - 3, "5", "", null, "", 0, "",
"", c, null, t, 1, 1);


}


}
```

}

Program 10:

=========

Write a program and use the following WNOSQL commands

and perform manipulation using

A)Search a DATA

B) SearchLS ,SearchGT

c) SelectRange Operations in WNOSQL TABLE.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

```
<DATALIB>  ps

<DATA>

public <CLASS>  DATA



{




public void main()

{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';
```

```
WDBASQL.Query("Search","Orders" ,"0",null,15,"100","", null,"",0,"
","",c,null,t,1,1);


WDBASQL.Query("SearchGT","emp6" ,"0",null,150,"100","", null,"",0,"
","",c,null,t,1,1);

WDBASQL.Query("SearchLS","emp6" ,"0",null,150,"100","", null,"",0,"
","",c,null,t,1,1);



WDBASQL.Query("SelectRange","Orders" ,"0",null,15,"","", null,"",0,"
","",c,null,t,1,1);



}

}
```

UNIT:8 WNOSQL (WSQL*) USING CDOLLAR,JAS,JDOLLAR, ETC. AND WNOSQL PROGRAM EXERCISES

A) HOW TO USE WNOSQL DB WITH CDOLLAR,JDOLLAR, AND JAS?

Step-1: Convert WNOSQL PLSQL to WNOSQL .dll files.

to be used with CDollar, JDollar, and JAS

Since this programming accept .dll files.

or

Step-2:

You can add the WNOSQL.dll to JDollar CWE editor

Directly write WNOSQL Queries with JDollar CDollar ,JAS ,etc.

and by pressing button browse button at bottom of J$ or C$ CWE Editor

and after that press compile button in CWE Editor and

Run the Program using Run at top right.

==========

WNOSQL PROGRAM EXERCISES

==========

Program-1:WNOSQL

<WNOSQL> //starting of wnosql or WDBA program

<PACK> // import all wdba packages

<USE> CDollar.WDBA; // load Cdollar.wdba packages

<USE> WDBA; //load wdba packages

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds", "C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\Wcod");

// let database name me datastores , database pwd be dbpwds and the pa th be C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\Wcod

String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);

//pass dbuser and dbpwds as wilmix78 ,wilmix78

String s1 = "CREATETABLE from Telecom 0 to 0 , 1 to 7 ?= 6639 By 6639 f(x) : {SNO,CLASS,CHILDS}:

{1,A,a1,2,A,a2,3,A,a3,4,B,b1,5,B,b2,6,B,b3,7,C,c1,8,C,c2,9,C,c3} :{2,4}";

//create a table Telecom with fields SNO,CLASS,CHILDS... and set rows = 1 and cols = 7

//and intialize the value {1,A,a1,2,A,a2,3,A,a3,4,B,b1,5,B,b2,6,B,b3,7,C,c1,8,C,c 2,9,C,c3} => total values =30

//here 1 indicates SNO, A indicates CLASS , and ,CHILD indicates a1 and so - on .

ArrayList ar= WDBALIB.WDBAQUERY(s1, t); // now pass the query in the WDBAQUERY api

//

so what happens this statement will execute the query and create a table

//and it will insert the values in the table Telecom.

}

}

}

Program-2:WNOSQL

```
<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<USE> WDBA;


<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNO");
```

String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);

String s1 ="SELECTRVAL from Telecom 3 to 30 , 1 to 7 ?= C By 1 1 : {0} : {0} :{1}";

// At first omit 3 fields and start from 3.

//select all row values from table Telecom from 3 to 30

ArrayList ar= WDBALIB.WDBAQUERY(s1, t);

//now when you execute the query it displays all the row values..

}

}

}

Program-2 :WNOSQL

```
<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<USE> WDBA;


<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL-cod");
```

```
String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78",
"wilmix78", 1, 5, g);


String s11 ="SELECTRVAL from Telecom 3 to 33 , 1 to 7 ?= C By 1 1 : {0} : {0} :{1}";


String s1 ="DELETE from Telecom 3 to "+WDBALIB.WDBAQUERY(s11, t).size() +" ,
1 to 7 ?= A By 0 0 : {a1} : {xx}: {XX}";

ArrayList arf= WDBALIB.WDBAQUERY(s1, t);


// delete the value from rows with string a1



String s16 ="SYSDATE from Telecom 3 to "+WDBALIB.WDBAQUERY(s11, t).size()
+" , 1 to 7 ?= A By 0 0 : {a1} : {xx}: {XX}";

ArrayList arfh= WDBALIB.WDBAQUERY(s16, t);


//compute sysdate for the  Telecom




}
```

}

}

Program3 : WNOSQL

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<USE> WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

```
public void main()

{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL-cod");

        String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78",
"wilmix78", 1, 5, g);

    String s11 ="SELECTRVAL from Telecom 3 to 33 , 1 to 7 ?= A By 1 1 : {0} :
{Telecom} :{0}";

ArrayList ar1= WDBALIB.WDBAQUERY(s11, t);
```

//compute the size of Telecom table inorder to insert the values (1,A,a1) after that

//so we will choose the second section for values insertion.

String s1 ="INSERTINTO from Telecom 3 to "+ar1.size() +" , 1 to 7 ?= A By 1 1 : {0} : {1,A,a1} : {0}";

ArrayList ar= WDBALIB.WDBAQUERY(s1, t);

//execute the query

}

}

}

Program4: WNOSQL

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<USE> WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds", "C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL-cod");

```
String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78",
"wilmix78", 1, 5, g);
```

```
String s1 ="MATCH from Telecom 3 to 29 , 1 to 7 ?= C 0001 1 1 : {0} : {0} :{0}";

// we are choosing values starting from 3 to 29

// and perform match operations and test what rows are matched by char
  C

 WDBA.writeln(""+WDBALIB.WDBAQUERY( s1,  t));
```

}

}

}

Telecom table contents :

[SNO CLASS CHILDS 1 A XXX5 2 A a2 3 A a3 4 B b1 5 B b2 6 B b3 7 C c1 8 C c2 9 C c3]

MATCHED ROWS

[22, 23, 25, 26, 28, 29]

for eg)

22 indicates 7 after that C character succeed and ends

so 22 23 will be taken into account.

simillarly so-on.

Program-5:WNOSQL

```
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<USE> WDBA;

<DATALIB>  ps
<DATA>
public <CLASS>  DATA

{



public void main()
```

```
{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL-cod");




      String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78",
"wilmix78", 1, 5, g);




String s1 ="SelectOrderByASC from Telecom 3 to 29 , 1 to 7 ?= 123 By 1 1 : {0} : {0}
:{0}";


 WDBA.writeln(""+WDBALIB.WDBAQUERY( s1,  t));


// we know by definition this statement order the table
contents in Ascending  order.
```

String s11 ="SelectOrderByDESC from Telecom 3 to 29 , 1 to 7 ?= 123 By 1 1 : {0} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s11, t));

// we know by definition this statement order the table contents in Descending order.

String s118 ="SelectRange from Telecom 3 to 13 , 1 to 7 ?= C By 1 1 : {0} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s118, t));

// list a range of values from rows 3 to 13

String s12 ="SelectIntOrderByAsc from datastoreh 50 to 2000 , 1 to 1 ?= 123 By 1 1 : {0} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s12, t));

// we know by definition this statement order the table contents containing integer nos in Ascending order.

String s121 ="SelectIntOrderByDesc from datastoreh 50 to 2000 , 1 to 1 ?= 123 By 1 1 : {0} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s121, t));

// we know by definition this statement order the table contents containing integer nos in Descending order.

String s1217 ="SelectAll from datastoreh 50 to 2000 , 1 to 1 ?= 123 By 1 1 : {0} : {0} :{0}";

WDBA.writeln("datas"+WDBALIB.WDBAQUERY(s1217, t));

// we know by
definition this statement will list all the table values from 50 to 2000

String s121377 ="SearchGT from datastoreh 50 to 200 , 1 to 1 ?= 100 By 1 1 : {0} : {0} :{0}";

WDBA.writeln("datas51"+WDBALIB.WDBAQUERY(s121377, t));

// we know by
definition this statement will list all the table values from 50 to 100

//which is greater than the value 100 from table values..

}

}

}

PROGRAM-6:WNOSQL

Look at the figure of wnosql using CWE editor

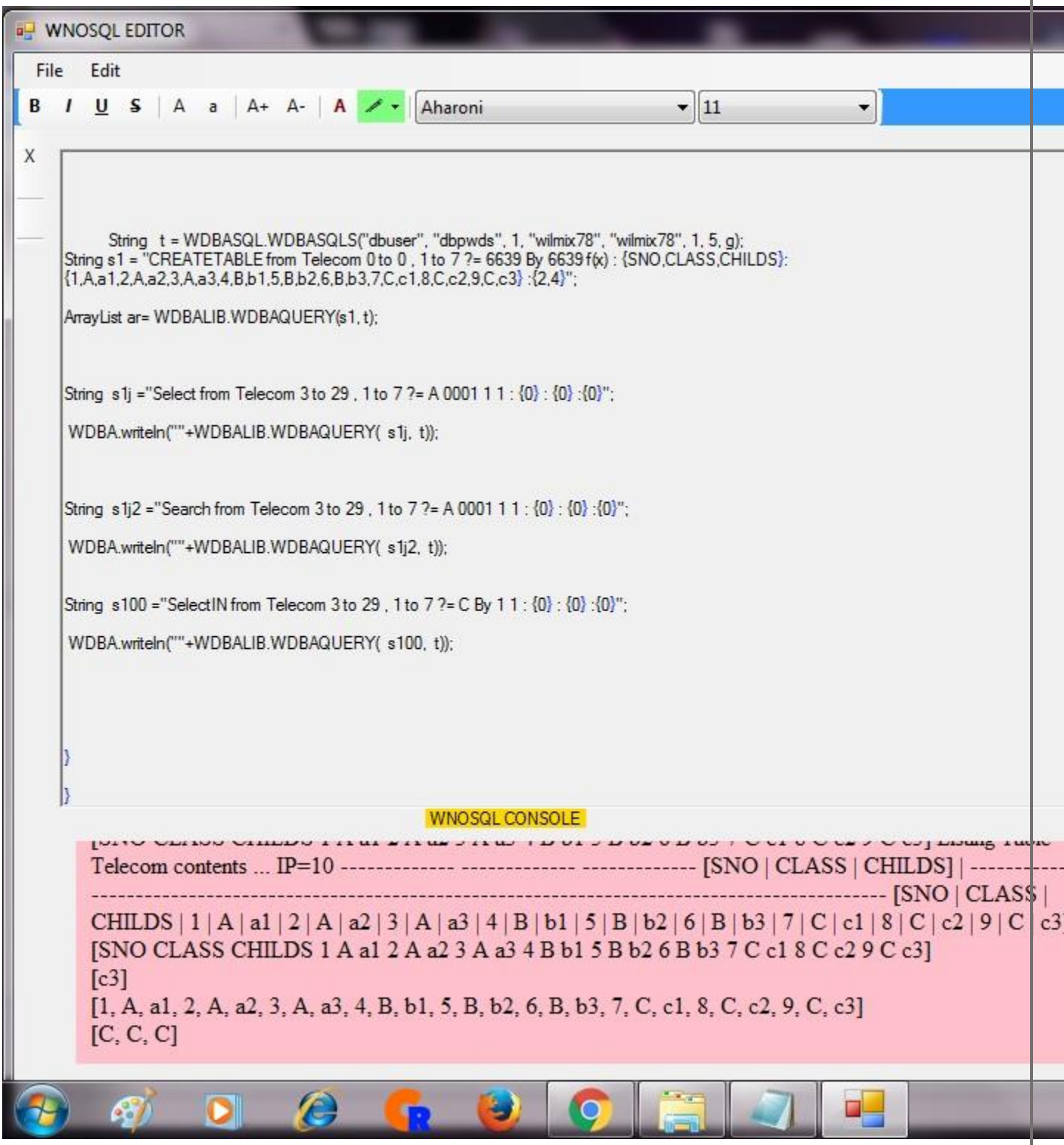
a) if you use Select statement from 3 to 29
; here last given range value 29 is taken into account

and it displays c3 as value.

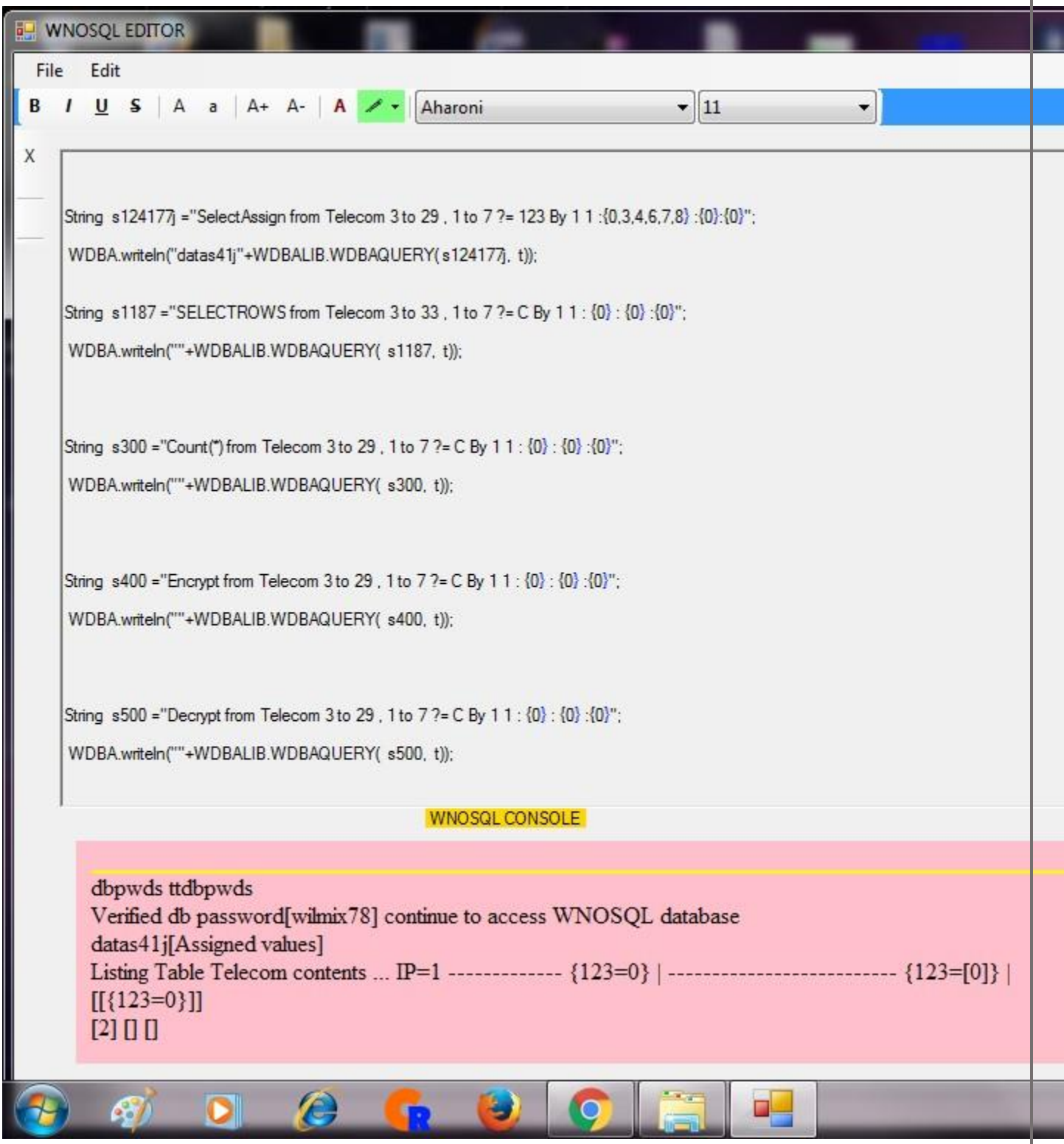
b) If you use Search statement from
3 to 29 ; this statement will list the values that match the chara cter A and displays the result.

c) SelectIN statement will check
the member value C from telecom

and displays C as 3 times since C is found 3 times.


WNOSQL EDITOR
File Edit
Aharoni
11
String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);
String s1 = "CREATETABLE from Telecom 0 to 0 , 1 to 7 ?= 6639 By 6639 f(x) : {SNO,CLASS,CHILDS}:
{1,A,a1,2,A,a2,3,A,a3,4,B,b1,5,B,b2,6,B,b3,7,C,c1,8,C,c2,9,C,c3} :{2,4}";
ArrayList ar= WDBALIB.WDBAQUERY(s1, t);
String s1j ="Select from Telecom 3 to 29 , 1 to 7 ?= A 0001 1 1 : {0} : {0} :{0}";
WDBA.writeln(""+WDBALIB.WDBAQUERY(s1j, t));
String s1j2 ="Search from Telecom 3 to 29 , 1 to 7 ?= A 0001 1 1 : {0} : {0} :{0}";
WDBA.writeln(""+WDBALIB.WDBAQUERY(s1j2, t));
String s100 ="SelectIN from Telecom 3 to 29 , 1 to 7 ?= C By 1 1 : {0} : {0} :{0}";
WDBA.writeln(""+WDBALIB.WDBAQUERY(s100, t));
}
}
WNOSQL CONSOLE
Telecom contents ... IP=10 ---------- ---------- ---------- [SNO | CLASS | CHILDS] | ----------
---------- [SNO | CLASS |
CHILDS | 1 | A | a1 | 2 | A | a2 | 3 | A | a3 | 4 | B | b1 | 5 | B | b2 | 6 | B | b3 | 7 | C | c1 | 8 | C | c2 | 9 | C | c3
[SNO CLASS CHILDS 1 A a1 2 A a2 3 A a3 4 B b1 5 B b2 6 B b3 7 C c1 8 C c2 9 C c3]
[c3]
[1, A, a1, 2, A, a2, 3, A, a3, 4, B, b1, 5, B, b2, 6, B, b3, 7, C, c1, 8, C, c2, 9, C, c3]
[C, C, C]

Program7:WNOSQL



SelectAssign statement will Assign 123 value to Telecom table

Count(*) will displays no of rows in Telecom table so ans is [2].

Program8:WNOSQL

```
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<USE> WDBA;

<DATALIB>  ps
<DATA>
public <CLASS>  DATA

{



public void main()
```

```
{
String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");



        String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78",
"wilmix78", 1, 5, g);



char c=' ';



ArrayList art= new  ArrayList();
```

```
art.add(0);

art.add(1);

art.add(2);
```

```
String s2 ="Insert from columns 0 to 9 , 1 to 1 ?= X By 1 1 : {3,4,5,6,7,8} : {0} :{0}";

 WDBA.writeln("Insert"+WDBALIB.WDBAQUERY( s2,  t));
```

```
String s23 ="SelectAssign from columns 0 to 9 , 1 to 1 ?= X By 123,345 1 :
{3,4,5,6,7,8} : {0} :{0}";

 WDBA.writeln("selectassign wilmix"+WDBALIB.WDBAQUERY( s23,  t));
```

String s231 ="InsertValues from columns 1 to 11 , 1 to 1 ?= X By 123,345 1 : {3,4,5,6,7,8} : {0} :{0}";

WDBA.writeln("insertvalues"+WDBALIB.WDBAQUERY(s231, t));

String s23211 ="SYSDATE from Telecom 0 to 6 , 1 to 7 ?= X By 1 1 : {0} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s23211, t));

ArrayList art11= new ArrayList();

art11.add(2016);

art11.add(10);

art11.add(15);

art11.add(5);

art11.add(-5);

String s232111 ="SYSDATE from employess 0 to 6 , 1 to 1 ?= yyyy MMM dd By 1 1 : {3,4,5,6,7,8} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s232111, t));

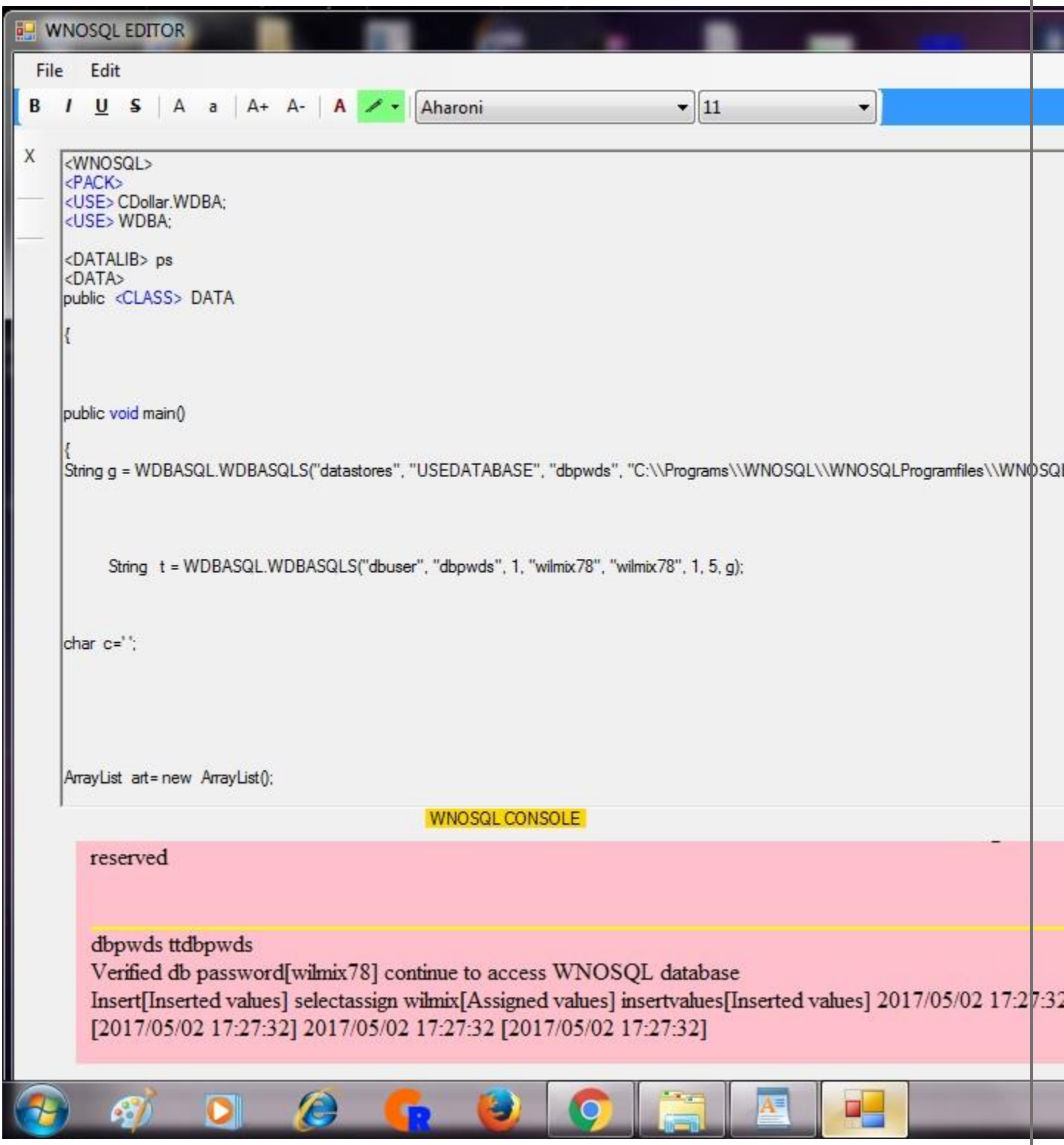
}

}

}

Output

====


WNOSQL EDITOR
File Edit
Aharoni
11
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<USE> WDBA;
<DATALIB> ps
<DATA>
public <CLASS> DATA
{
public void main()
{
String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds", "C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQ
String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);
char c=' ';
ArrayList art= new ArrayList();
WNOSQL CONSOLE
reserved
dbpwds ttdbpwds
Verified db password[wilmix78] continue to access WNOSQL database
Insert[Inserted values] selectassign wilmix[Assigned values] insertvalues[Inserted values] 2017/05/02 17:27:32
[2017/05/02 17:27:32] 2017/05/02 17:27:32 [2017/05/02 17:27:32]

Program9:WNOSQL

```
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<USE> WDBA;

<DATALIB>  ps
<DATA>
public <CLASS>  DATA

{



public void main()

{
String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");
```

String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);

char c=' ';

String s23l02 ="SELECTR from datastorehg 0 to 0 , 1 to 1 ?= X By 1 1 : {0} : {0} : {0}";*

WDBA.writeln(""+WDBALIB.WDBAQUERY(s23l02, t));

}

}

}

OUTPUT

=====

dbpwds ttdbpwds

Verified db password[wilmix78] continue to access WNOSQL database

[EMPLOYEENAME SALARY EMPLOYEENAME SALARY 3001 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013 3014 3015 3016 3017 3018 3019 3020 3021 3022 3023 3024 3025 3026 3027 3028 3029 3030 3031 3032 3033 3034 3035 3036 3037 3038 3039 3040 3041 3042 3043 3044 3045 3046 3047 3048 3049 3050 3051 3052 3053 3054 3055 3056 3057 3058 3059 3060 3061 3062 3063 3064 3065 3066 3067 3068 3069 3070 3071 3072 3073 3074 3075 3076 3077 3078 3079 3080 3081 3082 3083 3084 3085 3086 3087 3088 3089

3090 3091 3092 3093 3094 3095 3096 3097 3098 3099 3100 3101 3102 3103
3104 3105 3106 3107 3108 3109 3110 3111 3112 3113 3114 3115 3116 3117
3118 3119 3120 3121 3122 3123 3124 3125 3126 3127 3128 3129 3130 3131
3132 3133 3134 3135 3136 3137 3138 3139 3140 3141 3142 3143 3144 3145
3146 3147 3148 3149 3150 3151 3152 3153 3154 3155 3156 3157 3158 3159
3160 3161 3162 3163 3164 3165 3166 3167 3168 3169 3170 3171 3172 3173
3174 3175 3176 3177 3178 3179 3180 3181 3182 3183 3184 3185 3186 3187
3188 3189 3190 3191 3192 3193 3194 3195 3196 3197 3198 3199 3200 3201
3202 3203 3204 3205 3206 3207 3208 3209 3210 3211 3212 3213 3214 3215
3216 3217 3218 3219 3220 3221 3222 3223 3224 3225 3226 3227 3228 3229
3230 3231 3232 3233 3234 3235 3236 3237 3238 3239 3240 3241 3242 3243
3244 3245 3246 3247 3248 3249 3250 3251 3252 3253 3254 3255 3256 3257
3258 3259 3260 3261 3262 3263 3264 3265 3266 3267 3268 3269 3270 3271
3272 3273 3274 3275 3276 3277 3278 3279 3280 3281 3282 3283 3284 3285
3286 3287 3288 3289 3290 3291 3292 3293 3294 3295 3296 3297 3298 3299
3300 3301 3302 3303 3304 3305 3306 3307 3308 3309 3310 3311 3312 3313
3314 3315 3316 3317 3318 3319 3320 3321 3322 3323 3324 3325 3326 3327
3328 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3341
3342 3343 3344 3345 3346 3347 3348 3349 3350 3351 3352 3353 3354 3355
3356 3357 3358 3359 3360 3361 3362 3363 3364 3365 3366 3367 3368 3369
3370 3371 3372 3373 3374 3375 3376 3377 3378 3379 3380 3381 3382 3383
3384 3385 3386 3387 3388 3389 3390 3391 3392 3393 3394 3395 3396 3397
3398 3399 3400 3401 3402 3403 3404 3405 3406 3407 3408 3409 3410 3411
3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423 3424 3425
3426 3427 3428 3429 3430 3431 3432 3433 3434 3435 3436 3437 3438 3439
3440 3441 3442 3443 3444 3445 3446 3447 3448 3449 3450 3451 3452 3453
3454 3455 3456 3457 3458 3459 3460 3461 3462 3463 3464 3465 3466 3467
3468 3469 3470 3471 3472 3473 3474 3475 3476 3477 3478 3479 3480 3481
3482 3483 3484 3485 3486 3487 3488 3489 3490 3491 3492 3493 3494 3495
3496 3497 3498 3499 3500 3501 3502 3503 3504 3505 3506 3507 3508 3509
3510 3511 3512 3513 3514 3515 3516 3517 3518 3519 3520 3521 3522 3523
3524 3525 3526 3527 3528 3529 3530 3531 3532 3533 3534 3535 3536 3537
3538 3539 3540 3541 3542 3543 3544 3545 3546 3547 3548 3549 3550 3551

3552 3553 3554 3555 3556 3557 3558 3559 3560 3561 3562 3563 3564 3565
3566 3567 3568 3569 3570 3571 3572 3573 3574 3575 3576 3577 3578 3579
3580 3581 3582 3583 3584 3585 3586 3587 3588 3589 3590 3591 3592 3593
3594 3595 3596 3597 3598 3599 3600 3601 3602 3603 3604 3605 3606 3607
3608 3609 3610 3611 3612 3613 3614 3615 3616 3617 3618 3619 3620 3621
3622 3623 3624 3625 3626 3627 3628 3629 3630 3631 3632 3633 3634 3635
3636 3637 3638 3639 3640 3641 3642 3643 3644 3645 3646 3647 3648 3649
3650 3651 3652 3653 3654 3655 3656 3657 3658 3659 3660 3661 3662 3663
3664 3665 3666 3667 3668 3669 3670 3671 3672 3673 3674 3675 3676 3677
3678 3679 3680 3681 3682 3683 3684 3685 3686 3687 3688 3689 3690 3691
3692 3693 3694 3695 3696 3697 3698 3699 3700 3701 3702 3703 3704 3705
3706 3707 3708 3709 3710 3711 3712 3713 3714 3715 3716 3717 3718 3719
3720 3721 3722 3723 3724 3725 3726 3727 3728 3729 3730 3731 3732 3733
3734 3735 3736 3737 3738 3739 3740 3741 3742 3743 3744 3745 3746 3747
3748 3749 3750 3751 3752 3753 3754 3755 3756 3757 3758 3759 3760 3761
3762 3763 3764 3765 3766 3767 3768 3769 3770 3771 3772 3773 3774 3775
3776 3777 3778 3779 3780 3781 3782 3783 3784 3785 3786 3787 3788 3789
3790 3791 3792 3793 3794 3795 3796 3797 3798 3799 3800 3801 3802 3803
3804 3805 3806 3807 3808 3809 3810 3811 3812 3813 3814 3815 3816 3817
3818 3819 3820 3821 3822 3823 3824 3825 3826 3827 3828 3829 3830 3831
3832 3833 3834 3835 3836 3837 3838 3839 3840 3841 3842 3843 3844 3845
3846 3847 3848 3849 3850 3851 3852 3853 3854 3855 3856 3857 3858 3859
3860 3861 3862 3863 3864 3865 3866 3867 3868 3869 3870 3871 3872 3873
3874 3875 3876 3877 3878 3879 3880 3881 3882 3883 3884 3885 3886 3887
3888 3889 3890 3891 3892 3893 3894 3895 3896 3897 3898 3899 3900 3901
3902 3903 3904 3905 3906 3907 3908 3909 3910 3911 3912 3913 3914 3915
3916 3917 3918 3919 3920 3921 3922 3923 3924 3925 3926 3927 3928 3929
3930 3931 3932 3933 3934 3935 3936 3937 3938 3939 3940 3941 3942 3943
3944 3945 3946 3947 3948 3949 3950 3951 3952 3953 3954 3955 3956 3957
3958 3959 3960 3961 3962 3963 3964 3965 3966 3967 3968 3969 3970 3971
3972 3973 3974 3975 3976 3977 3978 3979 3980 3981 3982 3983 3984 3985
3986 3987 3988 3989 3990 3991 3992 3993 3994 3995 3996 3997 3998 3999
4000 4001 4002 4003 4004 4005 4006 4007 4008 4009 4010 4011 4012 4013

4014 4015 4016 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026 4027
4028 4029 4030 4031 4032 4033 4034 4035 4036 4037 4038 4039 4040 4041
4042 4043 4044 4045 4046 4047 4048 4049 4050 4051 4052 4053 4054 4055
4056 4057 4058 4059 4060 4061 4062 4063 4064 4065 4066 4067 4068 4069
4070 4071 4072 4073 4074 4075 4076 4077 4078 4079 4080 4081 4082 4083
4084 4085 4086 4087 4088 4089 4090 4091 4092 4093 4094 4095 4096 4097
4098 4099 4100 4101 4102 4103 4104 4105 4106 4107 4108 4109 4110 4111
4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4122 4123 4124 4125
4126 4127 4128 4129 4130 4131 4132 4133 4134 4135 4136 4137 4138 4139
4140 4141 4142 4143 4144 4145 4146 4147 4148 4149 4150 4151 4152 4153
4154 4155 4156 4157 4158 4159 4160 4161 4162 4163 4164 4165 4166 4167
4168 4169 4170 4171 4172 4173 4174 4175 4176 4177 4178 4179 4180 4181
4182 4183 4184 4185 4186 4187 4188 4189 4190 4191 4192 4193 4194 4195
4196 4197 4198 4199 4200 4201 4202 4203 4204 4205 4206 4207 4208 4209
4210 4211 4212 4213 4214 4215 4216 4217 4218 4219 4220 4221 4222 4223
4224 4225 4226 4227 4228 4229 4230 4231 4232 4233 4234 4235 4236 4237
4238 4239 4240 4241 4242 4243 4244 4245 4246 4247 4248 4249 4250 4251
4252 4253 4254 4255 4256 4257 4258 4259 4260 4261 4262 4263 4264 4265
4266 4267 4268 4269 4270 4271 4272 4273 4274 4275 4276 4277 4278 4279
4280 4281 4282 4283 4284 4285 4286 4287 4288 4289 4290 4291 4292 4293
4294 4295 4296 4297 4298 4299 4300 4301 4302 4303 4304 4305 4306 4307
4308 4309 4310 4311 4312 4313 4314 4315 4316 4317 4318 4319 4320 4321
4322 4323 4324 4325 4326 4327 4328 4329 4330 4331 4332 4333 4334 4335
4336 4337 4338 4339 4340 4341 4342 4343 4344 4345 4346 4347 4348 4349
4350 4351 4352 4353 4354 4355 4356 4357 4358 4359 4360 4361 4362 4363
4364 4365 4366 4367 4368 4369 4370 4371 4372 4373 4374 4375 4376 4377
4378 4379 4380 4381 4382 4383 4384 4385 4386 4387 4388 4389 4390 4391
4392 4393 4394 4395 4396 4397 4398 4399 4400 4401 4402 4403 4404 4405
4406 4407 4408 4409 4410 4411 4412 4413 4414 4415 4416 4417 4418 4419
4420 4421 4422 4423 4424 4425 4426 4427 4428 4429 4430 4431 4432 4433
4434 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445 4446 4447
4448 4449 4450 4451 4452 4453 4454 4455 4456 4457 4458 4459 4460 4461
4462 4463 4464 4465 4466 4467 4468 4469 4470 4471 4472 4473 4474 4475

4476 4477 4478 4479 4480 4481 4482 4483 4484 4485 4486 4487 4488 4489
4490 4491 4492 4493 4494 4495 4496 4497 4498 4499 4500 4501 4502 4503
4504 4505 4506 4507 4508 4509 4510 4511 4512 4513 4514 4515 4516 4517
4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531
4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 4545
4546 4547 4548 4549 4550 4551 4552 4553 4554 4555 4556 4557 4558 4559
4560 4561 4562 4563 4564 4565 4566 4567 4568 4569 4570 4571 4572 4573
4574 4575 4576 4577 4578 4579 4580 4581 4582 4583 4584 4585 4586 4587
4588 4589 4590 4591 4592 4593 4594 4595 4596 4597 4598 4599 4600 4601
4602 4603 4604 4605 4606 4607 4608 4609 4610 4611 4612 4613 4614 4615
4616 4617 4618 4619 4620 4621 4622 4623 4624 4625 4626 4627 4628 4629
4630 4631 4632 4633 4634 4635 4636 4637 4638 4639 4640 4641 4642 4643
4644 4645 4646 4647 4648 4649 4650 4651 4652 4653 4654 4655 4656 4657
4658 4659 4660 4661 4662 4663 4664 4665 4666 4667 4668 4669 4670 4671
4672 4673 4674 4675 4676 4677 4678 4679 4680 4681 4682 4683 4684 4685
4686 4687 4688 4689 4690 4691 4692 4693 4694 4695 4696 4697 4698 4699
4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711 4712 4713
4714 4715 4716 4717 4718 4719 4720 4721 4722 4723 4724 4725 4726 4727
4728 4729 4730 4731 4732 4733 4734 4735 4736 4737 4738 4739 4740 4741
4742 4743 4744 4745 4746 4747 4748 4749 4750 4751 4752 4753 4754 4755
4756 4757 4758 4759 4760 4761 4762 4763 4764 4765 4766 4767 4768 4769
4770 4771 4772 4773 4774 4775 4776 4777 4778 4779 4780 4781 4782 4783
4784 4785 4786 4787 4788 4789 4790 4791 4792 4793 4794 4795 4796 4797
4798 4799 4800 4801 4802 4803 4804 4805 4806 4807 4808 4809 4810 4811
4812 4813 4814 4815 4816 4817 4818 4819 4820 4821 4822 4823 4824 4825
4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837 4838 4839
4840 4841 4842 4843 4844 4845 4846 4847 4848 4849 4850 4851 4852 4853
4854 4855 4856 4857 4858 4859 4860 4861 4862 4863 4864 4865 4866 4867
4868 4869 4870 4871 4872 4873 4874 4875 4876 4877 4878 4879 4880 4881
4882 4883 4884 4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895
4896 4897 4898 4899 4900 4901 4902 4903 4904 4905 4906 4907 4908 4909
4910 4911 4912 4913 4914 4915 4916 4917 4918 4919 4920 4921 4922 4923
4924 4925 4926 4927 4928 4929 4930 4931 4932 4933 4934 4935 4936 4937

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4952 4953 4954 4955 4956 4957 4958 4959 4960 4961 4962 4963 4964 4965
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4856 | 4857 | 4858 | 4859 | 4860 | 4861 | 4862 | 4863 | 4864 | 4865 | 4866 |
4867 | 4868 | 4869 | 4870 | 4871 | 4872 | 4873 | 4874 | 4875 | 4876 | 4877 |
4878 | 4879 | 4880 | 4881 | 4882 | 4883 | 4884 | 4885 | 4886 | 4887 | 4888 |
4889 | 4890 | 4891 | 4892 | 4893 | 4894 | 4895 | 4896 | 4897 | 4898 | 4899 |
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4977 | 4978 | 4979 | 4980 | 4981 | 4982 | 4983 | 4984 | 4985 | 4986 | 4987 |
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==========

Program10:WNOSQL

```
<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<USE> WDBA;


<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{

String g = WDBASQL.WDBASQLS("datastores", "USEDATABASE", "dbpwds",
"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");
```

String t = WDBASQL.WDBASQLS("dbuser", "dbpwds", 1, "wilmix78", "wilmix78", 1, 5, g);

char c=' ';

String s2 ="SelectCols from datastorehg 0 to 1000 , 1 to 1 ?= C By 1 1 : {3,4,5,6,7,8} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s2, t));

//select all the column {3,4,5,6,7,8} values stored in the table datastorehg

String s3 ="Count() from datastorehg 0 to 1000 , 1 to 1 ?= 3001 By 1 1 : {0} : {0} :{0}";

WDBA.writeln("datacount="+WDBALIB.WDBAQUERY(s3, t));

// to count the occurance of data 3001 from table datastorehg with in a given range

// startingindex and endingindex from the table.

String s4 ="DISTINCT from datastorehg 0 to 1000 , 1 to 1 ?= C By 1 1 : {0,0,1,1,5,5} : {0} :{0}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s4, t));

// distinct which is used to remove duplicates of columns

```
}

}
```

}

OUTPUT

======

W N O S Q L -wnosql D A T A B A S E Non sql(*) JeminInformationTechnology copy right 2014 @ all rights reserved

dbpwds ttdbpwds Verified db password[wilmix78] continue to access WNOSQL database

Listing Table datastorehg contents ... IP=1 ---------- ---------- ---------- ---------- ---------- ---------- 3 | 4 | 5 | 6 | 7 | 8 |

SALARY | 3001 | 3002 | 3003 | 3004 | 3005 |

[SALARY, 3001, 3002, 3003, 3004, 3005]

datacount=[1]

[SALARY, EMPLOYEENAME, 3002]

Program11:WNOSQL

AGGREGATE FUNCTIONS :

String s390 ="AVG() from datastorehg 5 to 1000 , 1 to 1 ?= 3001 By 1 1 : {5,6,8,9} : {0} :{0}";

WDBA.writeln("datacount="+WDBALIB.WDBAQUERY(s390, t));

// AVG for the columns 5,6,8,9 from the table datastorehg

String s3909 ="MIN() from datastorehg 5 to 1000 , 1 to 1 ?= 3001 By 1 1 : {5,6,8,9} : {0} :{0}";

WDBA.writeln("datacount="+WDBALIB.WDBAQUERY(s3909, t));

// MIN for the values in the columns 5,6,8,9 from the table datastorehg

String s39068 ="SUM() from datastorehg 0 to 1000 , 1 to 1 ?= 3001 By 1 1 : {5,6,8,9} : {0} :{0}";

WDBA.writeln("datacount="+WDBALIB.WDBAQUERY(s39068, t));

// SUM for the values in the columns 5,6,8,9 from the table datastorehg

OUTPUT:

======

datacount=[12.016]

datacount=[3002.0]

datacount=[12016.0]

==========================

Program12:WNOSQL

String s114 ="INNERJOIN from datastorehg 3 to 29 , 1 to 1 ?= datastorehg By 1 1 : {1,2,3} : {1,2,3} :{1,2,3}";

WDBA.writeln(""+WDBALIB.WDBAQUERY(s114, t));

// Innerjoin exists when there exits between two tables

```
String s12 ="RIGHTJOIN from datastorehg 10 to 1000 , 1 to 1 ?= datastoreh By 1 1
: {1,2,3,5,10,100} : {1,2,3,11,12,13} :{1,2,3}";

 WDBA.writeln(""+WDBALIB.WDBAQUERY( s12,  t));

//   This  wnosql  is  to  perform  rightjoin   between two  tables

String s1tabh = "Insert from datastorehg 0 to 0 , 1 to 1 ?= 6639 By 1 f(x) :
{267,4344,4333,4333,5544,5455,54544,66565,6565}: {0} :{0}";

ArrayList artabh= WDBALIB.WDBAQUERY(s1tabh, t);

WDBA.writeln("ans14="+artabh);

// insert  the  values  into   the table
```

String s1tabhj = "CLUSTER from datastorehg 0 to 9 , 1 to 1 ?= x By 1 f(x) : {267,4344,4333,4333,5544,5455,54544,66565,6565}: {0} :{0}";

ArrayList artabhj= WDBALIB.WDBAQUERY(s1tabhj, t);

WDBA.writeln("ans15="+artabhj);

// create a cluster for the table

ie) CLUSTER to store group of data in a encrypted form for futhure use.

String s1tabhj1 = "CLUSTERPROPERTY from datastorehg 0 to 9 , 1 to 1 ?= x By 1 f(x) : {267,4344,4333,4333,5544,5455,54544,66565,6565}: {0} :{0}";

ArrayList artabhj1= WDBALIB.WDBAQUERY(s1tabhj1, t);

WDBA.writeln("ans15="+artabhj1);

// To compute clustertable size, display data, display system date, Display remaning

//space available to store values in a cluster table.

String s1tabhj1f = "BACKUPCLUSTER from datastorehg 0 to 9 , 1 to 1 ?= x By 1 f(x) : {267,4344,4333,4333,5544,5455,54544,66565,6565}: {0} :{0}";

ArrayList artabhj11= WDBALIB.WDBAQUERY(s1tabhj1f, t);

WDBA.writeln("ans151="+artabhj11);

//TO RESTORE the Lost CLUSTER DATA and automatically store the cont ents in a table.

String s1g ="SELECTRVAL from datastorehg 0 to 9 , 1 to 1 ?= C By 1 1 : {0} : {0} :{1}";

ArrayList arjkk= WDBALIB.WDBAQUERY(s1g, t);

WDBA.writeln("ans151j="+arjkk);

Output:

========

[SALARY, EMPLOYEENAME, SALARY] [SALARY, EMPLOYEENAME, SALARY, 3002, 8, 3007, 9, 3097, 10] ans14=[Inserted values] converting to class file is completed successfully. ans15=[[0=267, 4344, 4333, 4333, 5544, 5455, 54544, 66565, 6565]] ans15=[CLUSTER SIZE=9, CLUSTER DATA=[{0=267, 4344, 4333, 4333, 5544, 5455, 54544, 66565, 6565}], SYSTEM DATE=Fri May 05 21:09:30 IST 2017, WNOSQL(*) CLUSTER SPACE AVAILABLE=2991] converting to class file is completed successfully. ans151=[[0=267, 4344, 4333, 4333, 5544, 5455, 54544, 66565, 6565]] [EMPLOYEENAME SALARY EMPLOYEENAME SALARY 3001 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013 3014 3015 3016 3017 3018 3019 3020 3021 3022 3023 3024 3025 3026 3027 3028 3029 3030 3031 3032 3033 3034 3035 3036 3037 3038 3039 3040 3041 3042 3043 3044 3045 3046 3047 3048 3049 3050 3051 3052 3053 3054 3055 3056 3057 3058 3059 3060 3061 3062 3063 3064 3065 3066 3067 3068 3069 3070 3071 3072 3073 3074 3075 3076 3077 3078 3079 3080 3081 3082 3083 3084 3085 3086 3087 3088 3089 3090 3091 3092 3093 3094 3095 3096 3097 3098 3099 3100 3101 3102 3103 3104 3105 3106 3107 3108 3109 3110 3111 3112 3113 3114 3115 3116 3117

3118 3119 3120 3121 3122 3123 3124 3125 3126 3127 3128 3129 3130 3131
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3202 3203 3204 3205 3206 3207 3208 3209 3210 3211 3212 3213 3214 3215
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3958 3959 3960 3961 3962 3963 3964 3965 3966 3967 3968 3969 3970 3971
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What is the Major Advantage of WNoSQL(DB)?*

It will store and retrieve infinitive no of data in WNOSQL DB.

It is used for storing higher volume of data when compared to other databases.

UNIT:9: WNOSQL(WSQL*) TEST EXERCISES

1) Write a WNOSQL Program to select all students

from a student table?

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<WNOSQL>
<PACK>
<USE> CDollar.WDBA; //load wnosql  contents.



<DATALIB>  ps
<DATA>
public <CLASS>  SQL3
{



public void main()



{
```

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

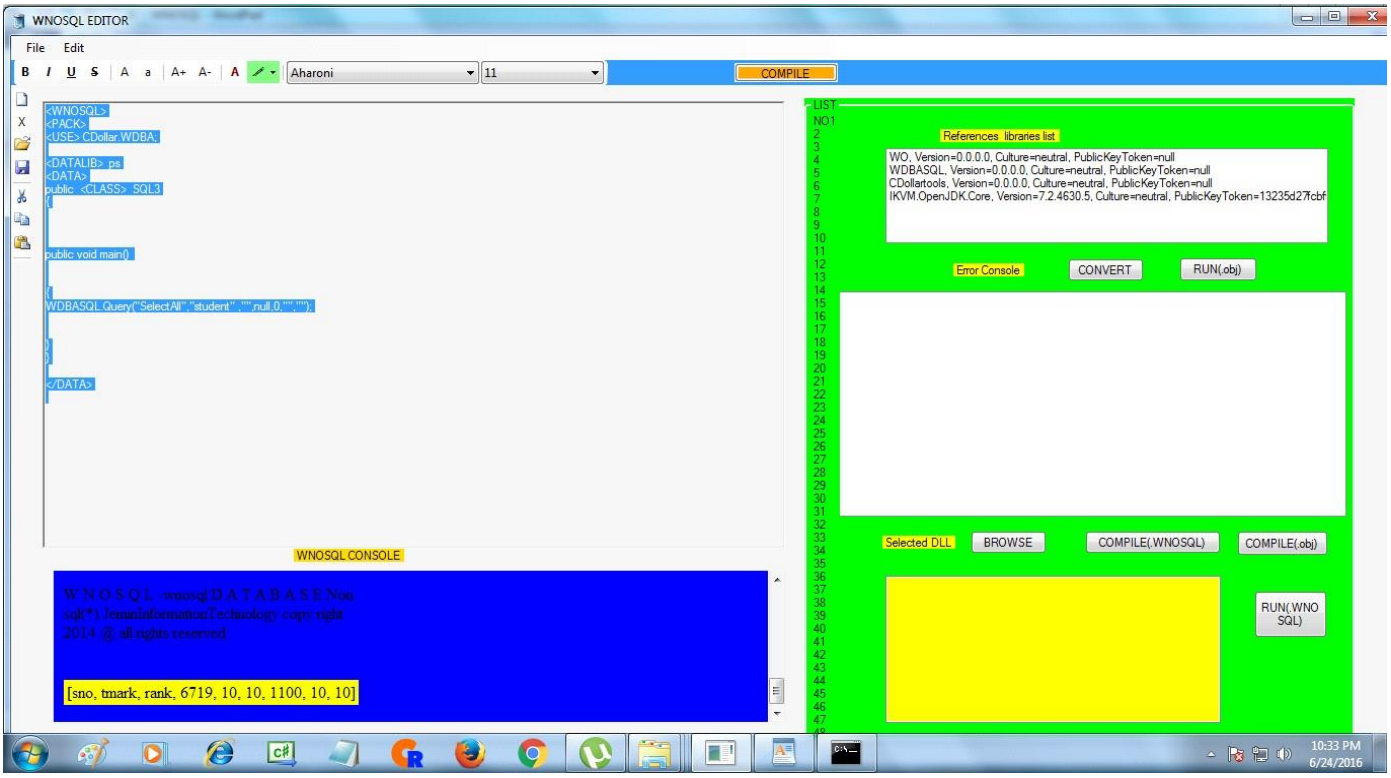
WDBASQL.Query("SelectAll","student" ,"0",null,15,"","",, null,"",0,"
","",c,null,t,1,1);




}

}


</DATA>
```



2) Write a WNOSQL program to Insert

values from sql database to wnosql database and transport to sqlserver database?

A) Do it your own by using WNOSQL fundemantal syntax.

3) Write a WNOSQL program to

>select a particular column value from a table

>select a particular column value from a table

by a given range.

>to compare dates and sort in ascending order.

> to Search a data from a given table range.

> Compute avg,max,minum marks from classtable

> Search data which is greater than a given data

> Search data which is lesser than a given data

> to count total no of rows in atable

> To store a serialized data in WDBA file

and retrieve and print it.

> Delete all the contents of table and drop the table.

4) Test using Your Dotnet or JAVA Program with WNOSQL database

5) Apply SelectOrderByASC to the PLSQL to table Orders for 0 to 19 records what happens?

<WNOSQL>

<PACK>

<USE> CDollar.WDBA; //load CDollar.WDBA libraries

<DATALIB> ps // namespace ps

<DATA>

public <CLASS> DATA

```
{



public void main()

{



String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

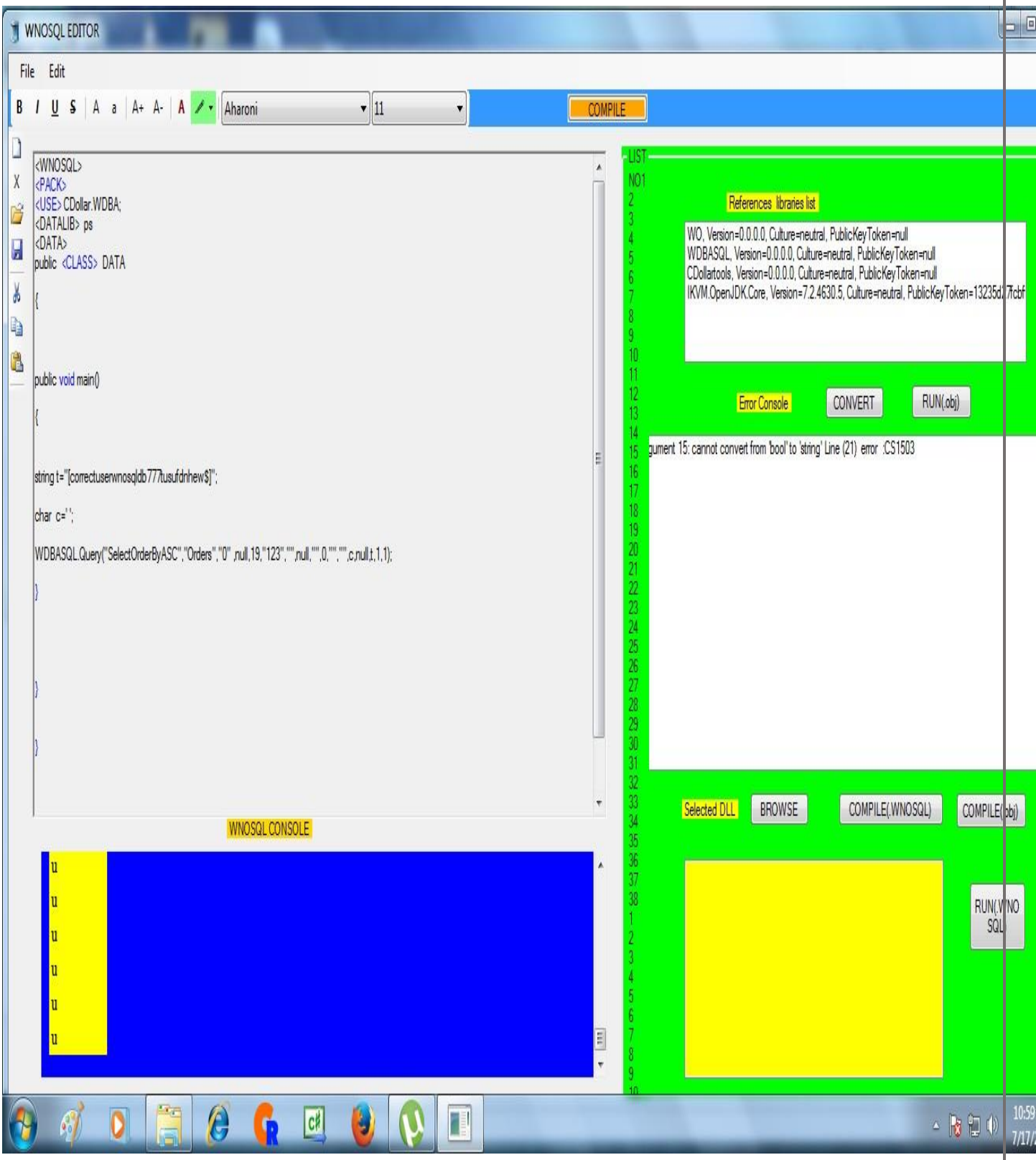
char c=' ';


WDBASQL.Query("SelectOrderByASC","Orders","0"
,null,19,"123","",null,"",0,"","",c,null,t,1,1);


}
```

```
}

}
```


WNOSQL EDITOR
File Edit
Aharoni
11
COMPILE
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<DATALIB> ps
<DATA>
public <CLASS> DATA
{
public void main()
{
string t= "[correctuserwnosqldb777tusufdnhew$]";
char c=' ';
WDBASQL.Query("SelectOrderByASC","Orders","0" ,null,19,"123","",null,"",0,"","",c,null,t,1,1);
}
}
}
WNOSQL CONSOLE
u
u
u
u
u
u
LIST
NO1
References libraries list
WO, Version=0.0.0.0, Culture=neutral, PublicKeyToken=null
WDBASQL, Version=0.0.0.0, Culture=neutral, PublicKeyToken=null
CDollartools, Version=0.0.0.0, Culture=neutral, PublicKeyToken=null
IKVM.OpenJDK.Core, Version=7.2.4630.5, Culture=neutral, PublicKeyToken=13235d27fcbf
Error Console
CONVERT
RUN(.obj)
gument 15: cannot convert from 'bool' to 'string' Line (21) error :CS1503
Selected DLL
BROWSE
COMPILE(.WNOSQL)
COMPILE(.obj)
RUN(.WNOSQL)

WNOSQL(*) PLSQL follows basic WNOSQL(*) api syntax

WNOSQL(*) put all the results in arraylist

for future use.

Program-1:

Write a program to display the matching data rows and

perform innerjoins between two table.

<WNOSQL> // Beginning of wnosql plsql program

<PACK> //load all wnosql packages

<USE> CDollar.WDBA; //use CDollar.WDBA packages

<DATALIB> ps // create name space ps

<DATA> //write wnosql logic

public <CLASS> DATA

```
{



public void main() //like C main

{

//kindly refer wnosql  fundemantals



String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");

String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';



ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0001","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1 =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0002","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gyy =WDBASQL.Query("MATCH","Orders","0",null,19,"0003","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1y =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0005","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList artr11= new  ArrayList();

for(int i=0;i<arhd1gy.size();i++)

artr11.add(arhd1gy.get(i));

for(int  i=0;i<arhd1gy1.size();i++)
```

```
artr11.add(arhd1gy1.get(i));


for(int i=0;i<arhd1gyy.size();i++)

artr11.add(arhd1gyy.get(i));


for(int i=0;i<arhd1gy1y.size();i++)

artr11.add(arhd1gy1y.get(i));
```

```
ArrayList arhd1gy17 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0001"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy117 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0002"," ",null,"",0,"1","",c,null,t,1,1);


ArrayList arhd1gy178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0003"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0005"," ",null,"",0,"1","",c,null,t,1,1);



ArrayList artr117= new  ArrayList();

for(int i=0;i<arhd1gy17.size();i++)

artr117.add(arhd1gy17.get(i));

for(int i=0;i<arhd1gy117.size();i++)

artr117.add(arhd1gy117.get(i));

for(int i=0;i<arhd1gy178.size();i++)

artr117.add(arhd1gy178.get(i));

for(int i=0;i<arhd1gy1178.size();i++)

artr117.add(arhd1gy1178.get(i));

ArrayList
datas1=WDBASQL.Query("INNERJOIN","Orders","0",null,19,"employess","",
artr11,"",0,"","",c,artr117,t,1,1);
```

}

}

}

Kindly use WNOSQL EDITOR to see the output.

Program-2: Write a Program to finding matching data rows

and perform right join, use having clause , use innerjoin in this case:

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

```
{



public void main()

{



String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';



ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders" ,"0",null,19,"0001","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1 =WDBASQL.Query("MATCH","Orders","0",null,19,"0002","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gyy =WDBASQL.Query("MATCH","Orders","0",null,19,"0003","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1y =WDBASQL.Query("MATCH","Orders","0",null,19,"0005","
",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList artr11= new  ArrayList();

for(int i=0;i<arhd1gy.size();i++)

artr11.add(arhd1gy.get(i));

for(int i=0;i<arhd1gy1.size();i++)

artr11.add(arhd1gy1.get(i));
```

```
for(int i=0;i<arhd1gyy.size();i++)

artr11.add(arhd1gyy.get(i));


for(int i=0;i<arhd1gy1y.size();i++)

artr11.add(arhd1gy1y.get(i));
```

```
ArrayList arhd1gy17 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0001"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy117 =WDBASQL.Query("MATCH","employess"
,"0",null,11,"0002"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0003"," ",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList arhd1gy1178 =WDBASQL.Query("MATCH","employess"
,"0",null,13,"0005"," ",null,"",0,"1","",c,null,t,1,1);



ArrayList artr117= new  ArrayList();

for(int i=0;i<arhd1gy17.size();i++)

artr117.add(arhd1gy17.get(i));

for(int i=0;i<arhd1gy117.size();i++)

artr117.add(arhd1gy117.get(i));

for(int i=0;i<arhd1gy178.size();i++)

artr117.add(arhd1gy178.get(i));

for(int i=0;i<arhd1gy1178.size();i++)

artr117.add(arhd1gy1178.get(i));



ArrayList cols = new  ArrayList();

cols.add(0);
```

```
cols.add(1);

cols.add(2);

cols.add(3);

cols.add(4);

cols.add(5);

//cols.add(6);

//cols.add(7);

//cols.add(8);

//cols.add(9);

//cols.add(10);

//cols.add(11);


cols.add(0);

cols.add(1);

cols.add(2);



ArrayList cols111 = new ArrayList();

cols111.add(0);


cols111.add(1);
```

```
cols111.add(2);

cols111.add(3);

cols111.add(4);

cols111.add(5);

//cols111.add(6);

//cols111.add(7);

//cols111.add(8);

cols111.add(9);

cols111.add(10);

cols111.add(11);
```

```
ArrayList
datas44=WDBASQL.Query("RIGHTJOIN","Orders","0",null,0,"employess","",
cols,"",0,"","",c,cols111,t,1,1);
```

```
ArrayList colss7 = new  ArrayList();
```

```
colss7.add(2);


ArrayList
datas16=WDBASQL.Query("<HAVING>","Orders","0",null,1,"[3,6,2,2],[2,5,2,2]","",
colss7,"",0,"","",c,datas44,t,1,1);



ArrayList
datas1=WDBASQL.Query("INNERJOIN","Orders","0",null,19,"employess","",
artr11,"",0,"","",c,artr117,t,1,1);




}


}


}
```

Program -3: Use Intorderby Ascending and descending order

and use Orderby ascending and descending order for the String datatype table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';




WDBASQL.Query("SelectOrderByASC","Orders","0"
,null,19,"123","",null,"",0,"","",c,null,t,1,1);


WDBASQL.Query("SelectOrderByDESC","Orders","0"
,null,19,"123","",null,"",0,"","",c,null,t,1,1);



WDBASQL.Query("SelectIntOrderByAsc","nos","0"
,null,4,"123","",null,"",0,"","",c,null,t,1,1);


WDBASQL.Query("SelectIntOrderByDesc","nos","0"
,null,4,"123","",null,"",0,"","",c,null,t,1,1);



}
```

}

}

Program 4:

==========

Write a WNOSQL Program to store the student query values in WDBA table

from SQLSERVER for the given fields sno,tmark,rank and store it in encrypted form

and again store the data in sqlserver for futhure use with C# program.

<WNOSQL>

```
<PACK>


<DATALIB>  ps

<DATA>

public <CLASS>  SQL3

{




public void main()



{


WDBA.writeln((manipulate.Signal("MANIPULATE","Select * from
student","student","sno,tmark,rank","?,?,?",4,"sun.jdbc.odbc.JdbcOdbcDriver","jd
bc:odbc:dsn","sa","jemin","wilmix21")));



}

}
```

</DATA>

Note : use manipulte .dll in this case..

Program5:

Write a program and use the following WNOSQL commands

and perform manipulation using

a) SELECT IN

b) SELECTLIKE

c) COUNT(*)

d) Encrypt

e) Decrypt

f) SelectAll

g) AVG(), MAX() , MIN() ,LOC(),SUM()

h) SelectCOLS, Count(),Distinct,MATCH

i) Insert

j) DatecompareAsc/DESC

k)InsertDesc ,AND ,Foreign Key

for WNOSQL TABLE

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

```
{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';


ArrayList arhd111 =WDBASQL.Query("SelectIN","employess"
,"0",null,11,"0002","",null,"",0,"","",c,null,t,1,1);


ArrayList arhd112 =WDBASQL.Query("SelectNOTIN","employess"
,"0",null,11,"0002","",null,"",0,"","",c,null,t,1,1);




c='D';

WDBASQL.Query("SelectLike","Orders" ,"0",null,11,"","",null,"",0,"","",c,null,t,1,1);
```

```
WDBASQL.Query("Count(*)","Orders" ,"0",null,0,"","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("MATH","nos" ,"0",null,0,"0","",null,"",0,"","acos",c,null,t,1,1);

WDBASQL.Query("Encrypt","nos" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("Decrypt","nos" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectAll","nos" ,"0",null,4,"0","",null,"",0,"","",c,null,t,1,1);

WDBASQL.Query("SelectAll","nos" ,"0",null,4,"4","",null,"",0,"","",c,null,t,1,1);

ArrayList myList= new ArrayList();

myList.add("2005/01/12");

myList.add("2012/03/12");

myList.add("2006/03/12");
```

```
myList.add("2006/01/12");

myList.add("2005/11/12");


ArrayList arms1d = new  ArrayList();


arms1d.add(3);

arms1d.add(6);

arms1d.add(9);

arms1d.add(12);

arms1d.add(15);

arms1d.add(18);




ArrayList  sum55=WDBASQL.Query("AVG()","Orders"
,"0",null,6,"","",arms1d,"",0,"","",c,null,t,1,1);


ArrayList  sum55r=WDBASQL.Query("MAX()","Orders"
,"0",null,19,"","",arms1d,"",0,"","",c,null,t,1,1);

ArrayList  sum55gr=WDBASQL.Query("MIN()","Orders"
,"0",null,19,"","",arms1d,"",0,"","",c,null,t,1,1);
```

```
ArrayList arhd1g1 =WDBASQL.Query("LOC()","Orders"
,"0",null,19,"0002","",null,"",0,"","",c,null,t,1,1);
```

```
ArrayList  sum557=WDBASQL.Query("SUM()","Orders"
,"0",null,0,"","",arms1d,"",0,"","",c,null,t,1,1);
```

```
ArrayList arts1= new ArrayList();

arts1.add(3);

arts1.add(4);

arts1.add(5);

arts1.add(6);

arts1.add(7);

arts1.add(8);
```

```
ArrayList arh =WDBASQL.Query("SelectCols","Orders" ,"0",null,12-
3,"5","",arts1,"",0,"","",c,null,t,1,1);
```

```
ArrayList arhd =WDBASQL.Query("Count()","Orders"
,"0",null,13,"u","",null,"",0,"","",c,null,t,1,1);
```

```
ArrayList art= new  ArrayList();

art.add(0);
art.add(1);
art.add(2);
art.add(3);
art.add(4);
art.add(5);
art.add(6);
art.add(7);
art.add(8);
art.add(9);
art.add(10);
art.add(11);
WDBASQL.Query("DISTINCT","abc1","0",null,11,"","", art,"",0,"11","",c,null,t,1,1);
```

```
ArrayList arhd1gy =WDBASQL.Query("MATCH","Orders"
,"0",null,19,"0001","",null,"",0,"1","",c,null,t,1,1);
```

```
ArrayList ardds= new ArrayList();
```

```
for (int i=0;i<myList.size();i++)
ardds.add(i);
```

```
WDBASQL.Query("Insert","emp6" ,"",myList,0,"","", null,"",0," ","",c,null,t,1,1);
```

```
ArrayList  sum55grh=WDBASQL.Query("DateCompareDESC","emp6"
,"0",null,10,"","",ardds,"",0,"","",c,null,t,1,1);
```

```
ArrayList  sum55grhr=WDBASQL.Query("DateCompareASC","emp6"
,"0",null,10,"","",ardds,"",0,"","",c,null,t,1,1);
```

```
ArrayList st = new  ArrayList();
```

```
st.add(1);

st.add("wilmix");



st.add("100");


st.add(2);

st.add("jem");


st.add("200");

st.add(4);

st.add("Peter");


st.add("200");


//st.add(3);

//st.add("Diana");


//st.add("100");

st.add(1);

st.add("");
```

```
st.add("500");



WDBASQL.Query("InsertDESC", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t,
0, 1);
ArrayList st111 = new  ArrayList();


st111.add(1);
st111.add("wilmix");



st111.add("100");


st111.add(2);
st111.add("jem");


st111.add("200");
st111.add(4);
st111.add("Peter");


st111.add("200");
```

```
//st111.add(3);

//st111.add("Diana");


//st111.add("100");

st111.add(1);

st111.add("");



st111.add("500");
```

```
ArrayList tsf1p11= WDBASQL.Query("AND", "", "0", null, 11, "", "", sum55grh, "",
0, "", "", c,sum55grhr, t, 1, 4);
```

```
ArrayList tsf1p1= WDBASQL.Query("ForeignKey", "Orders", "0", null, 17,
"employess", "", null, "", 0, "", "", c, null, t, 1, 1);
```

}

}

}

Program6:

Write a program and use the following WNOSQL commands

and perform manipulation using

a)DropTable ,InsertDesc,Insert,Insertinto,SelectRval

operations in WNOSQL Table.

```
<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");
```

```
String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';


ArrayList st = new  ArrayList();


st.add("indno");

st.add("name");


st.add("scoreno");

//WDBASQL.Query("DropTable","nos" ,"0",null,12-
3,"5","",null,"",0,"","",c,null,t,1,1);


WDBASQL.Query("InsertDESC", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t,
0, 1);


WDBASQL.Query("Insert", "emp", "0", st, 0, "", "", null, "", 0, "", "", c, null, t, 1, 4);


ArrayList st111 = new  ArrayList();


st111.add(1);

st111.add("wilmix");
```

```
st111.add("100");


st111.add(2);
st111.add("jem");


st111.add("200");
st111.add(4);
st111.add("Peter");


st111.add("200");


//st111.add(3);
//st111.add("Diana");


//st111.add("100");
st111.add(1);
st111.add("");


st111.add("500");
```

WDBASQL.Query("INSERTINTO","emp"
,"0",null,0,"0","",null,"",0,"","",c,st111,t,1,4);

ArrayList ts3j = WDBASQL.Query("SELECTRVAL", "emp", "0", null, 0, "0", "", null, "", 0, "", "", c, null, t, 1, 4);

}

}

}

Program -7:

Write a program and use the following WNOSQL commands

and perform manipulation using

a)Insert,SelectAll,CLUSTER,BACKUPCLUSTER operations in WNOSQL Table.

```
<WNOSQL>
<PACK>
<USE> CDollar.WDBA;
<DATALIB>  ps
<DATA>
public <CLASS>  DATA

{



public void main()

{
```

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';









ArrayList cols = new  ArrayList();


for (int  i=0;i<=1990;i+=5)


cols.add(i);









ArrayList cols1 = new  ArrayList();
```

```
for (int  i=0;i<=1990;i+=1)

cols1.add(i);

ArrayList colsd = new  ArrayList();

WDBASQL.Query("Insert","emp6" ,"0",cols,1999,"","  ", null,"",0," ","",c,null,t,1,1);

WDBASQL.Query("CLUSTER","emp6" ,"0",null,1990,"","", cols1,"",0,"
","",c,null,t,1,1);

ArrayList colsdg =WDBASQL.Query("SelectAll","emp6" ,"0",null,1990,"","",
null,"",0," ","",c,null,t,1,1);

WDBASQL.Query("CLUSTERPROPERTY","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);

WDBASQL.Query("BACKUPCLUSTER","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);
```

```
WDBASQL.Query("SelectAll","emp6" ,"0",null,1990,"","", null,"",0,"
","",c,null,t,1,1);
```

```
}
```

```
}
```

```
}
```

Program:8

Write a program and use the following WNOSQL commands

and perform manipulation using

a) Insertdesc , INSERTINTO,Insert

b) Selectdesc , SelectC,Select R*,MATH*

c) SELECTROWS,SELECTRVAL,SELECTINDEXES

operations in WNOSQL Table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

```
String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);

char c=' ';




ArrayList ar= new  ArrayList();


for (int  i=1;i<=99;i++)


ar.add(i);


ArrayList ar1= new ArrayList();

for (int  i=0;i<=99;i+=3)


ar1.add(i);
```

```
ArrayList ar7= new ArrayList();
ar7.add("INO");
ar7.add("NOS");

ar7.add("NAME");
ar7.add("SALARY");



WDBASQL.Query("InsertDESC","nosd" ,"0",ar7,0,"","",null,"",0,"","",c,null,t,0,1);
WDBASQL.Query("Insert","nosd" ,"0",ar7,0,"","",null,"",0,"","",c,null,t,1,3);
WDBASQL.Query("INSERTINTO","nosd" ,"0",null,0,"0","",null,"",0,"","",c,ar1,t,1,3);

WDBASQL.Query("SelectDESC","nosd" ,"0",null,1,"0","",null,"",0,"","",c,null,t,0,1);

WDBASQL.Query("SELECTC*","nosd" ,"0",null,0,"0","",null,"",0,"","",c,null,t,0,1);
```

WDBASQL.Query("SELECTR","nosd" ,"0",null,0,"0","",null,"",0,"","",c,null,t,1,3);*

ArrayList art= new ArrayList();

art.add(0);

art.add(1);

art.add(2);

WDBASQL.Query("MATH","nosd" ,"0",null,0,"0","",null,"",0,"acos","",c,null,t,1,3);

```
WDBASQL.Query("SELECTROWS","nosd"
,"0",null,0,"0","",art,"",0,"","",c,null,t,1,3);


WDBASQL.Query("SELECTRVAL","nosd"
,"0",null,0,"0","",null,"",0,"","",c,null,t,1,3);


ArrayList ar71= new  ArrayList();


ar71.add(4);









ArrayList arhg8ey =WDBASQL.Query("SELECTINDEXES","nosd"
,"0",null,0,"4","",ar71,"",0,"","",c,null,t,1,3);



}


}
```

}

Program 9:

Write a program and use the following WNOSQL commands

and perform manipulation using

a)SelectAssign, Insertvalues, Primary key ,AND

b) SeLectupper,Selectlower

c) SYSDATE, MANIPULATE

d) ENCRYPT,DENCRYPT

operations in WNOSQL Table.

<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB> ps

<DATA>

public <CLASS> DATA

{

public void main()

{

String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");

String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);char c=' ';

```
ArrayList art= new  ArrayList();



art.add(0);

art.add(1);

art.add(2);


ArrayList  tsf1=WDBASQL.Query("SelectAssign","columns"
,"1",null,1,"1","",null,"123,345",0,"","",c,null,t,1,1);



WDBASQL.Query("InsertValues","columns" ,"1",null,12-
1,"","",null,art.toString(),0,"","INSERT1",c,null,t,1,1);



ArrayList tsf1p=new ArrayList();
```

```
ArrayList tsf1p1= WDBASQL.Query("PrimaryKey", "abc", "0", null, 11, "abc1", "",
null, "", 0, "", "", c, null, t, 1, 1);


ArrayList tsf1p11= WDBASQL.Query("AND", "", "0", null, 11, "", "", tsf1p, "", 0, "",
"", c, tsf1p1, t, 1, 1);


ArrayList art1= new  ArrayList();



for (int  i=1;i<=6;i++)


art1.add(i);


ArrayList ass1=WDBASQL.Query("SelectUPPER","employess"
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);

ArrayList ass11=WDBASQL.Query("SelectLOWER","employess"
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);

ArrayList ass12=WDBASQL.Query("SYSDATE",""
,"0",null,6,"","",art1,"",0,"","",c,null,t,1,1);



ArrayList art11= new  ArrayList();
```

```
art11.add(2016);


art11.add(10);

art11.add(15);


art11.add(5);

art11.add(-5);



WDBASQL.Query("ManipulateDate()","" ,"0",null,6,"","",art1,"",0,"yyyy MMM
dd","",c,null,t,1,1);




WDBASQL.Query("Encrypt", "employess", "0", null, 12 - 3, "5", "", null, "", 0, "", "",
c, null, t, 1, 1);



 WDBASQL.Query("Dencrypt", "employess", "0", null, 12 - 3, "5", "", null, "", 0, "",
"", c, null, t, 1, 1);


}
```

}

}

Program 10:

Write a program and use the following WNOSQL commands

and perform manipulation using

A)Search a DATA

B) SearchLS ,SearchGT

c) SelectRange

Operations in WNOSQL TABLE.

```
<WNOSQL>

<PACK>

<USE> CDollar.WDBA;

<DATALIB>  ps

<DATA>

public <CLASS>  DATA


{




public void main()


{




String g=WDBASQL.WDBASQLS("datastorehgh","USEDATABASE",
"wilmix","C:\\Programs\\WNOSQL\\WNOSQLProgramfiles\\WNOSQL");


String t= WDBASQL.WDBASQLS("loginuser","pwduser",1,"Wilmix",
"Wilmixjemin12345",1,5,g);
```

```
char c=' ';
```

```
WDBASQL.Query("Search","Orders" ,"0",null,15,"100","", null,"",0,"
","",c,null,t,1,1);
```

```
WDBASQL.Query("SearchGT","emp6" ,"0",null,150,"100","", null,"",0,"
","",c,null,t,1,1);
```

```
WDBASQL.Query("SearchLS","emp6" ,"0",null,150,"100","", null,"",0,"
","",c,null,t,1,1);
```

```
WDBASQL.Query("SelectRange","Orders" ,"0",null,15,"","", null,"",0,"
","",c,null,t,1,1);
```

```
}
```

```
}
```

A) How to use WNOSQL db with CDollar,JDollar, and JAS?

Step-1: *Convert WNOSQL PLSQL to WNOSQL .dll files.*

to be used with CDollar, JDollar, and JAS

Since this programming accept .dll files.

or

Step-2:

You can add the WNOSQL.dll to JDollar CWE editor

Directly write WNOSQL Queries with JDollar CDollar ,JAS ,etc.

and by pressing button browse button at bottom of J$ or C$ CWE Editor

and after that press compile button in CWE Editor and

Run the Program using Run at top right.

How to connect WNOSQL with PHP , JAVA , and other programming languages?

WNOSQL will directly connect with JAVA/C# ,but

cannot directly connect with PHP, etc .

Write a Java/oakjava7 program using wnosql pipe to get data from employees table in oracle db and Automatically create a tables employees,employees2 in wnosql db and copy the records from employees table(from oracle) to wnosql db tables employees,employees2:-

wnosqlpipe.java

==========

```
import java.sql.*;

import java.util.*;

import  Securitydb.*;


import jxl.read.biff.BiffException;

import java.io.*;

public class wnosqlpipe{

public  static  void main(String args[])
```

```
{

try{


//pass parameters  for  table employees

HTML.displayhtml("employees.html");

String params =


"employee_id,first_name,last_name,EMAIL,PHONE_NUMBER";

// specify oracle drive ,oracle  connection,oracle username,oracle
password,Oracle Query,employees table parameters params,
howmany parameters,

//wnosql path,wnosql username,wnosql pwd , tablename,
tablesize,row,cols


 wnosqlCon.Backupcall("oracle.jdbc.driver.OracleDriver","jdbc:oracle:t
hin:@localhost:1521:xe","hr","dove1234",
"Select employee_id,first_name,last_name,EMAIL,PHONE_NUMBER
from
employees",params,4,"C:\\Programs\\WNOSQL\\WNOSQLProgramfil
es\\WNOSQL-cod",  "wilmix78","wilmix78","employees",5,1,7,1);
```

```
//5 represent 5 fields of select query
// 1 indicates it will display all the values in Table format
// 0 indicates storing data in Arraylist format for future use.
// 1,7 represents row and cols in wnosql db storage cell
//pass parameters for table employees2 (remaining fields off
employees)

String
params1="employee_id,job_id,salary,commission_pct,manager_ID,De
partment_ID";


// specify oracle drive ,oracle connection,oracle username,oracle
password,Oracle Query,employees table parameters params,
howmany parameters,

//wnosql path,wnosql username,wnosql pwd , tablename,
tablesize,row,cols


System.out.println("<HR>");

 ArrayList ard =
wnosqlCon.Backupcall("oracle.jdbc.driver.OracleDriver","jdbc:oracle:th
in:@localhost:1521:xe","hr","dove1234",
"Select
employee_id,job_id,salary,commission_pct,manager_ID,Department_I
D from employees where salary > 2000"
,params1,5,"C:\\Programs\\WNOSQL\\WNOSQLProgramfiles
```

```
\\WNOSQL-cod",

"wilmix78","wilmix78","employees2",6,1,7,0);

// 1,7  represents  row  and  cols  in   wnosql  db storage  cell

//6  represent  6  fields  of  select  query

// 0  indicates   storing  data in  Arraylist  format   for  future  use.

System.out.println(ard);



}

catch(Exception e)

{

System.out.println(""+e);
}



}
```

}

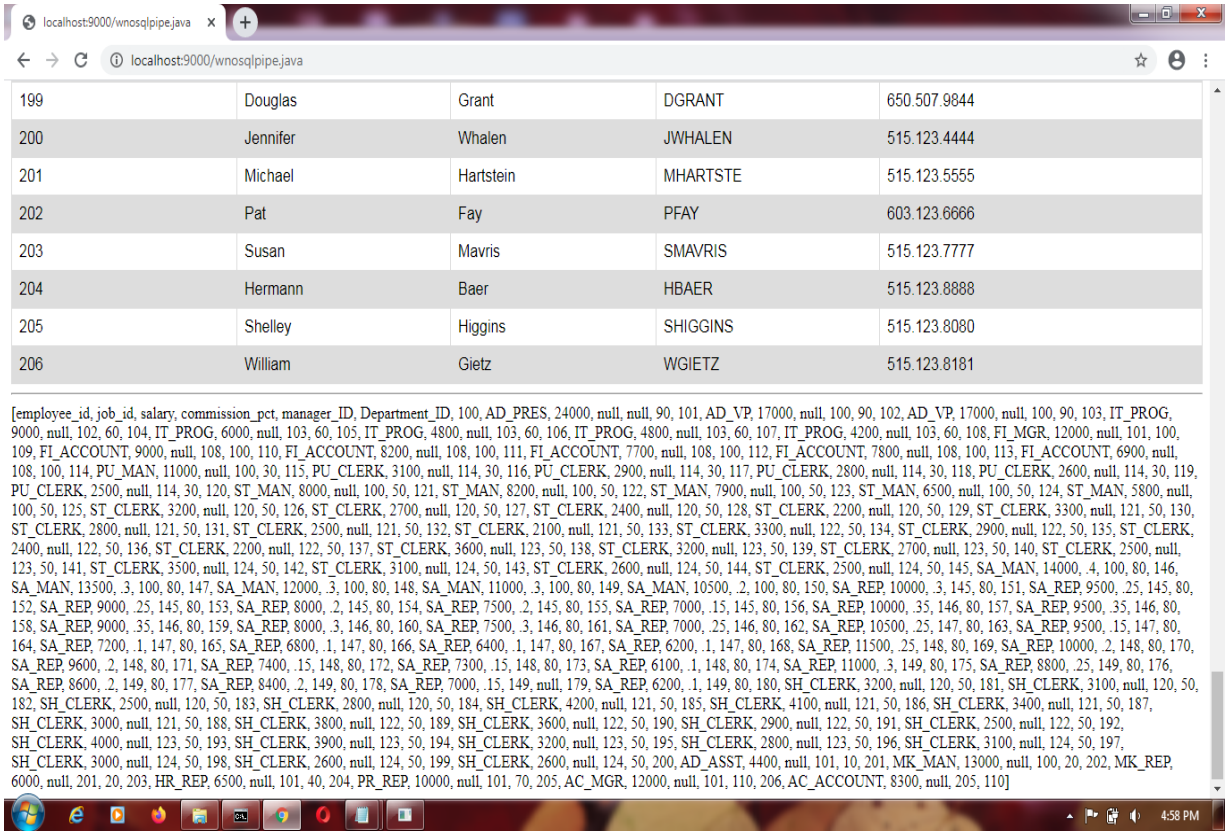
Note:

The query "Select employee_id,job_id,salary,commission_pct,manager_ID,Department_ID from employees where salary > 2000" in api wnosqlCon.Backupcall indicates Oracle query.

Output

=======

what are the records of employees table in oracle are added to wnosql employees table (employees,employees2).
wnosql employees table is divided in to two types which are employees,employees2.
so when you run wnosql server you will get the output which is given below at next page.


localhost:9000/wnosqlpipe.java
localhost:9000/wnosqlpipe.java
199 Douglas Grant DGRANT 650.507.9844
200 Jennifer Whalen JWHALEN 515.123.4444
201 Michael Hartstein MHARTSTE 515.123.5555
202 Pat Fay PFAY 603.123.6666
203 Susan Mavris SMAVRIS 515.123.7777
204 Hermann Baer HBAER 515.123.8888
205 Shelley Higgins SHIGGINS 515.123.8080
206 William Gietz WGIETZ 515.123.8181
[employee_id, job_id, salary, commission_pct, manager_ID, Department_ID, 100, AD_PRES, 24000, null, null, 90, 101, AD_VP, 17000, null, 100, 90, 102, AD_VP, 17000, null, 100, 90, 103, IT_PROG, 9000, null, 102, 60, 104, IT_PROG, 6000, null, 103, 60, 105, IT_PROG, 4800, null, 103, 60, 106, IT_PROG, 4800, null, 103, 60, 107, IT_PROG, 4200, null, 103, 60, 108, FI_MGR, 12000, null, 101, 100, 109, FI_ACCOUNT, 9000, null, 108, 100, 110, FI_ACCOUNT, 8200, null, 108, 100, 111, FI_ACCOUNT, 7700, null, 108, 100, 112, FI_ACCOUNT, 7800, null, 108, 100, 113, FI_ACCOUNT, 6900, null, 108, 100, 114, PU_MAN, 11000, null, 100, 30, 115, PU_CLERK, 3100, null, 114, 30, 116, PU_CLERK, 2900, null, 114, 30, 117, PU_CLERK, 2800, null, 114, 30, 118, PU_CLERK, 2600, null, 114, 30, 119, PU_CLERK, 2500, null, 114, 30, 120, ST_MAN, 8000, null, 100, 50, 121, ST_MAN, 8200, null, 100, 50, 122, ST_MAN, 7900, null, 100, 50, 123, ST_MAN, 6500, null, 100, 50, 124, ST_MAN, 5800, null, 100, 50, 125, ST_CLERK, 3200, null, 120, 50, 126, ST_CLERK, 2700, null, 120, 50, 127, ST_CLERK, 2400, null, 120, 50, 128, ST_CLERK, 2200, null, 120, 50, 129, ST_CLERK, 3300, null, 121, 50, 130, ST_CLERK, 2800, null, 121, 50, 131, ST_CLERK, 2500, null, 121, 50, 132, ST_CLERK, 2100, null, 121, 50, 133, ST_CLERK, 3300, null, 122, 50, 134, ST_CLERK, 2900, null, 122, 50, 135, ST_CLERK, 2400, null, 122, 50, 136, ST_CLERK, 2200, null, 122, 50, 137, ST_CLERK, 3600, null, 123, 50, 138, ST_CLERK, 3200, null, 123, 50, 139, ST_CLERK, 2700, null, 123, 50, 140, ST_CLERK, 2500, null, 123, 50, 141, ST_CLERK, 3500, null, 124, 50, 142, ST_CLERK, 3100, null, 124, 50, 143, ST_CLERK, 2600, null, 124, 50, 144, ST_CLERK, 2500, null, 124, 50, 145, SA_MAN, 14000, .4, 100, 80, 146, SA_MAN, 13500, .3, 100, 80, 147, SA_MAN, 12000, .3, 100, 80, 148, SA_MAN, 11000, .3, 100, 80, 149, SA_MAN, 10500, .2, 100, 80, 150, SA_REP, 10000, .3, 145, 80, 151, SA_REP, 9500, .25, 145, 80, 152, SA_REP, 9000, .25, 145, 80, 153, SA_REP, 8000, .2, 145, 80, 154, SA_REP, 7500, .2, 145, 80, 155, SA_REP, 7000, .15, 145, 80, 156, SA_REP, 10000, .35, 146, 80, 157, SA_REP, 9500, .35, 146, 80, 158, SA_REP, 9000, .35, 146, 80, 159, SA_REP, 8000, .3, 146, 80, 160, SA_REP, 7500, .3, 146, 80, 161, SA_REP, 7000, .25, 146, 80, 162, SA_REP, 10500, .25, 147, 80, 163, SA_REP, 9500, .15, 147, 80, 164, SA_REP, 7200, .1, 147, 80, 165, SA_REP, 6800, .1, 147, 80, 166, SA_REP, 6400, .1, 147, 80, 167, SA_REP, 6200, .1, 147, 80, 168, SA_REP, 11500, .25, 148, 80, 169, SA_REP, 10000, .2, 148, 80, 170, SA_REP, 9600, .2, 148, 80, 171, SA_REP, 7400, .15, 148, 80, 172, SA_REP, 7300, .15, 148, 80, 173, SA_REP, 6100, .1, 148, 80, 174, SA_REP, 11000, .3, 149, 80, 175, SA_REP, 8800, .25, 149, 80, 176, SA_REP, 8600, .2, 149, 80, 177, SA_REP, 8400, .2, 149, 80, 178, SA_REP, 7000, .15, 149, null, 179, SA_REP, 6200, .1, 149, 80, 180, SH_CLERK, 3200, null, 120, 50, 181, SH_CLERK, 3100, null, 120, 50, 182, SH_CLERK, 2500, null, 120, 50, 183, SH_CLERK, 2800, null, 120, 50, 184, SH_CLERK, 4200, null, 121, 50, 185, SH_CLERK, 4100, null, 121, 50, 186, SH_CLERK, 3400, null, 121, 50, 187, SH_CLERK, 3000, null, 121, 50, 188, SH_CLERK, 3800, null, 122, 50, 189, SH_CLERK, 3600, null, 122, 50, 190, SH_CLERK, 2900, null, 122, 50, 191, SH_CLERK, 2500, null, 122, 50, 192, SH_CLERK, 4000, null, 123, 50, 193, SH_CLERK, 3900, null, 123, 50, 194, SH_CLERK, 3200, null, 123, 50, 195, SH_CLERK, 2800, null, 123, 50, 196, SH_CLERK, 3100, null, 124, 50, 197, SH_CLERK, 3000, null, 124, 50, 198, SH_CLERK, 2600, null, 124, 50, 199, SH_CLERK, 2600, null, 124, 50, 200, AD_ASST, 4400, null, 101, 10, 201, MK_MAN, 13000, null, 100, 20, 202, MK_REP, 6000, null, 201, 20, 203, HR_REP, 6500, null, 101, 40, 204, PR_REP, 10000, null, 101, 70, 205, AC_MGR, 12000, null, 101, 110, 206, AC_ACCOUNT, 8300, null, 205, 110]
4:58 PM

How to connect WNOSQL with JAVA7?

Wnosql directly connects with JAVA7(OAKJAVA).

We can also connect with Core java(JDk version) using WNOSQLDBCONNECTOR.
inorder to hide the database details JAVA7(OAKJAVA) is mostly followed.

How to connect WNOSQL with C#?

it's a very easy step add all the wnosql .dll in

C# program. and you can use the wnosql query in C# program

for manipulation like Add,Find ,update,delete,etc.

How to connect WNOSQL with PHP , and other programming languages ?

WNOSQL will not directly connect with PHP, etc

So you had to follow the given steps

Usually we store the data in mysql database
for PHP or any familar database in today market .

we can transport using WNOSQL Pipe and give mysqldriver in this API;
and transport to WNOSQL Db.
ALL DATA is safely stored and cannot be seen by hackers.

UNIT :10: WNOSQL(WSQL*) MOCK TEST EXERCISES AND PRACTICE TEST FOR PROFESSIONALS

Time Duration : 2 1/2 hours

SECTION -A

A) Create an Online Test Project using CDollar and C#

Use WNOSQL (*) Database in this case ***(1 * 20 = 20 marks)***

B) Describe Briefly about CLUSTER MEMMORY MANAGEMENT

and State the Advantages for WNOSQL (*) database over

Other databases.

(1* 20 = 20 marks)

C) Write any 30 WNOSQL(*) commands and Describe briefly about it.

(1 *25 = 25 marks)

SECTION -B

D) Write a WNOPLSQL(*) Program for storing 15,000 records

from SQLSERVER database. ***(1 *20 = 20 marks)***

and perform the operations

a) SELECTIN,DISTINCT,MATCH

b) Search the data

c) UPDATE the data

e) Delete the data and drop the table

f) Select a Particular data

g) SelectRange of values

h) use SearchGT and SearchLS

i) USE CLUSTER ,CLUSTERPROPERTY , and BACKUPCLUSTER

j) SelectAssign,SelectIndexes,SelectRval

E) Write a WNOPLSQL(*) Program for storing 10,000 records

from SQLSERVER database.

and perform the operations ***(1 *15 = 15 Marks)***

A) Perform FULLJOIN ,RIGHT JOIN ,LEFTJOIN ,USE HAVING CLAUSE

bettween two tables.

Note: Practice this Test and do any projects or assignments

WDBASQL DATABASE

WNOSQL(*) Tutorial

kindly go thru given tutorial url for more details....

https://sites.google.com/site/wnosqlsecurabledatabase/

WDBASQL Version 1.0

Professional Edition

OPENSOURCE-GIT

JeminInformationTechnology

WILMIXJEMIN J

This Book Will help You Do:

- New Features of WNOSQL(*) DATABASE
- WNOSQL(*) Fundamentals
- How to Work with Windows Platform.
- Support NOSQL/SQL/APIS/PLSQL.
- 1 Thrillion of Data Storage with high datasecurity,interactive,Funnel database.
- About WNOSQL(*) Modules
- Solving Complex Queries
- Used with Java,DOTNET and PHP,and other Programming Languages.
- Using WNOSQL DB
- With OAKJAVA7,CDollar, GDollar, and all writ Programming Languages
- Mock Excercises