WNOSQL(*)- DATABASE

By

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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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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 connection.

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. We 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 futhure 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.

==========

UNIT:2: WNOSQL(WSQL*) Basics

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 from 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 f rom 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 those 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 found 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 found 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 column 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( query,  t));
```

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UNIT:3- WNOSQL(PLSQL*) Basics

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The WNOSQL PLSQL statements

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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","datasource","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,cols);

SelectOrderByAsc => Sort all data in Table by Ascending order

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

SelectIntOrderByDESC => Sort all data in Table by Ascending order

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

Insert => Insert the values from arraylist to the tablename

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,password,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,dateformatstring,"",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 table 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 lsit 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-> WNOSQL(WSQL*) interaction with native databases

==========

For Oracle Server

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

FOR SQL SERVER

==========

WDBA.writeln(""+manipulate.Signal("MANIPULATE","Select * from student","student","sno,tmark,rank","?,?,?",4,"sun.jdbc.Odbc.JdbcOdbcDriver","jdbc:odbc:sa","system","jemin","wilmix2"));

FOR MYSQL

========

Use MYSQL database driver instead of sun.jdbc.Odbc.JdbcOdbcDriver.

note: select the following dll which is given below

manipulate.dll , ikvm.open.jdbc.dll to compile this WNOSQL plsql program.

UNIT:6-> WNOSQL(WSQL*) TEST Exercises

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]","",colss
7,"",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","student","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 path be C:\\Pr
ograms\\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,c2,9,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.

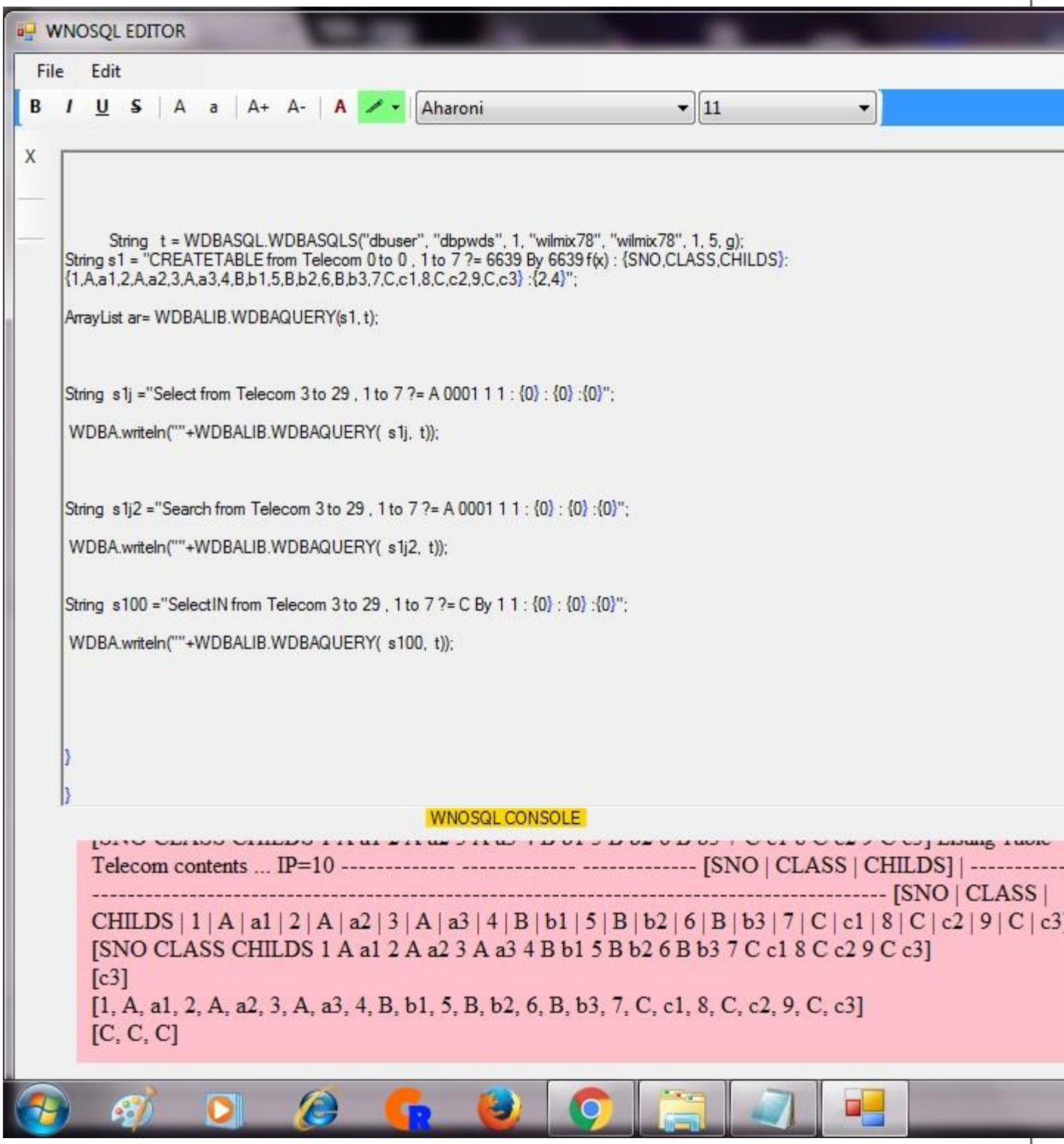
String s1217 ="SelectAll from datastoreh 50 to 2000 , 1 to 1 ?= 123 By 1 1 : {0} : {0} :{0}";

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.

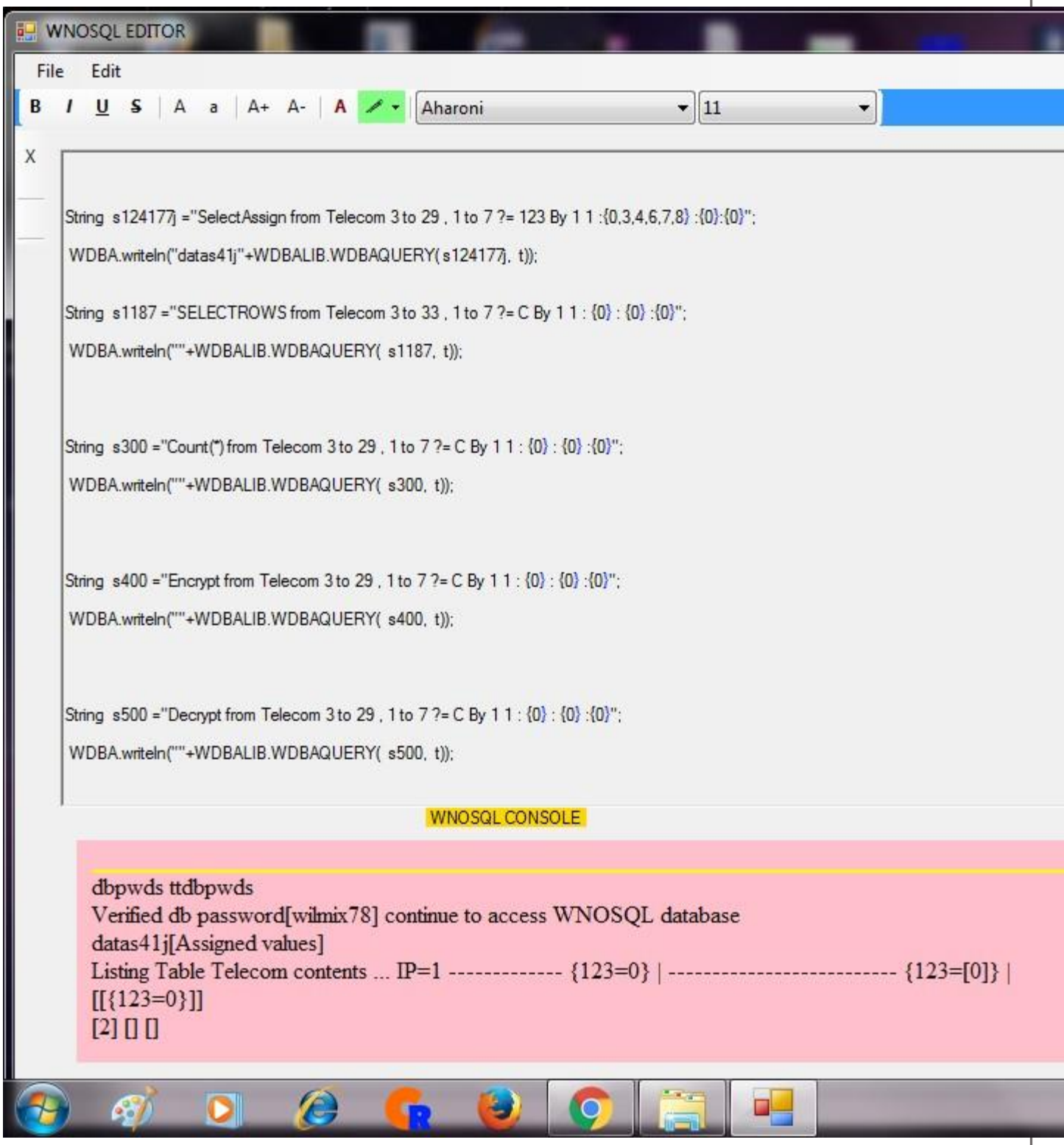
b) If you use Search statement from
3 to 29 ; this statement will list the values that match the character A

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.

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);

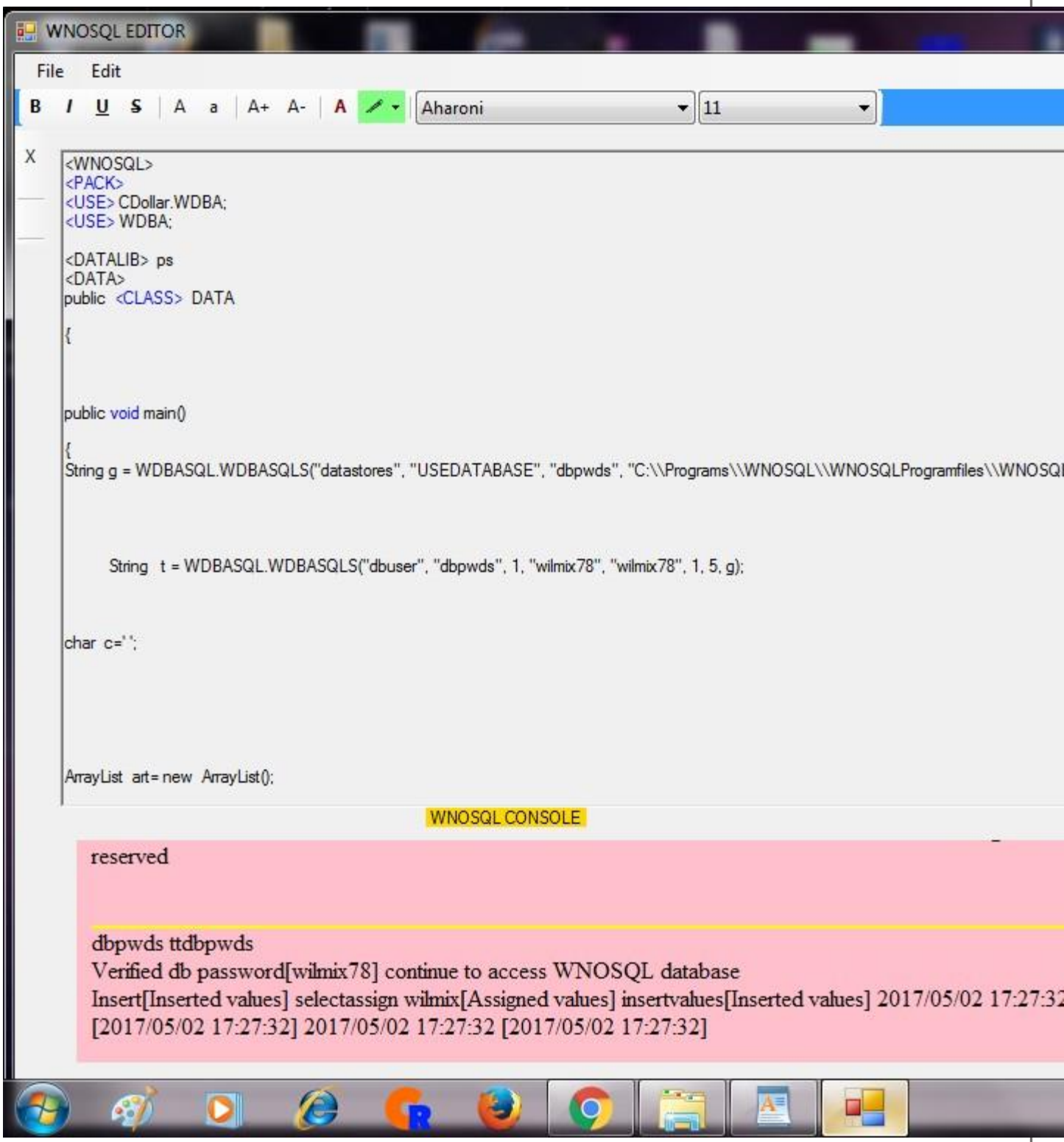
String s232111 ="SYSDATE from employess 0 to 6 , 1 to 1 ?= yyyy MMM dd By 1 1 : {3,4,5,6,7,8} : {0} :{0}";

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

```
}

}


}
```

Output

```
====
```



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
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3408 3409 3410 3411 3412 3413 3414 3415 3416 3417 3418 3419 3420 3421 3422 3423
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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
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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
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3744 3745 3746 3747 3748 3749 3750 3751 3752 3753 3754 3755 3756 3757 3758 3759
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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
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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
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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
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4240 4241 4242 4243 4244 4245 4246 4247 4248 4249 4250 4251 4252 4253 4254 4255
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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
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4576 4577 4578 4579 4580 4581 4582 4583 4584 4585 4586 4587 4588 4589 4590 4591
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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
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5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023
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5200 5201 5202 5203 5204 5205 5206 5207 5208 5209 5210 5211 5212 5213 5214 5215
5216 5217 5218 5219 5220 5221 5222 5223 5224 5225 5226 5227 5228 5229 5230 5231
5232 5233 5234 5235 5236 5237 5238 5239 5240 5241 5242 5243 5244 5245 5246 5247
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5312 5313 5314 5315 5316 5317 5318 5319 5320 5321 5322 5323 5324 5325 5326 5327
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5392 5393 5394 5395 5396 5397 5398 5399 5400 5401 5402 5403 5404 5405 5406 5407
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5346 | 5347 | 5348 | 5349 | 5350 | 5351 | 5352 | 5353 | 5354 | 5355 | 5356 | 5357 | 5358 |
5359 | 5360 | 5361 | 5362 | 5363 | 5364 | 5365 | 5366 | 5367 | 5368 | 5369 | 5370 | 5371 |
5372 | 5373 | 5374 | 5375 | 5376 | 5377 | 5378 | 5379 | 5380 | 5381 | 5382 | 5383 | 5384 |
5385 | 5386 | 5387 | 5388 | 5389 | 5390 | 5391 | 5392 | 5393 | 5394 | 5395 | 5396 | 5397 |
5398 | 5399 | 5400 | 5401 | 5402 | 5403 | 5404 | 5405 | 5406 | 5407 | 5408 | 5409 | 5410 |
5411 | 5412 | 5413 | 5414 | 5415 | 5416 | 5417 | 5418 | 5419 | 5420 | 5421 | 5422 | 5423 |
5424 | 5425 | 5426 | 5427 | 5428 | 5429 | 5430 | 5431 | 5432 | 5433 | 5434 | 5435 | 5436 |
5437 | 5438 | 5439 | 5440 | 5441 | 5442 | 5443 | 5444 | 5445 | 5446 | 5447 | 5448 | 5449 |
5450 | 5451 | 5452 | 5453 | 5454 | 5455 | 5456 | 5457 | 5458 | 5459 | 5460 | 5461 | 5462 |
5463 | 5464 | 5465 | 5466 | 5467 | 5468 | 5469 | 5470 | 5471 | 5472 | 5473 | 5474 | 5475 |
5476 | 5477 | 5478 | 5479 | 5480 | 5481 | 5482 | 5483 | 5484 | 5485 | 5486 | 5487 | 5488 |
5489 | 5490 | 5491 | 5492 | 5493 | 5494 | 5495 | 5496 | 5497 | 5498 | 5499 | 5500 | 5501 |
5502 | 5503 | 5504 | 5505 | 5506 | 5507 | 5508 | 5509 | 5510 | 5511 | 5512 | 5513 | 5514 |
5515 | 5516 | 5517 | 5518 | 5519 | 5520 | 5521 | 5522 | 5523 | 5524 | 5525 | 5526 | 5527 |

5528 | 5529 | 5530 | 5531 | 5532 | 5533 | 5534 | 5535 | 5536 | 5537 | 5538 | 5539 | 5540 |
5541 | 5542 | 5543 | 5544 | 5545 | 5546 | 5547 | 5548 | 5549 | 5550 | 5551 | 5552 | 5553 |
5554 | 5555 | 5556 | 5557 | 5558 | 5559 | 5560 | 5561 | 5562 | 5563 | 5564 | 5565 | 5566 |
5567 | 5568 | 5569 | 5570 | 5571 | 5572 | 5573 | 5574 | 5575 | 5576 | 5577 | 5578 | 5579 |
5580 | 5581 | 5582 | 5583 | 5584 | 5585 | 5586 | 5587 | 5588 | 5589 | 5590 | 5591 | 5592 |
5593 | 5594 | 5595 | 5596 | 5597 | 5598 | 5599 | 5600 | 5601 | 5602 | 5603 | 5604 | 5605 |
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5619 | 5620 | 5621 | 5622 | 5623 | 5624 | 5625 | 5626 | 5627 | 5628 | 5629 | 5630 | 5631 |
5632 | 5633 | 5634 | 5635 | 5636 | 5637 | 5638 | 5639 | 5640 | 5641 | 5642 | 5643 | 5644 |
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5671 | 5672 | 5673 | 5674 | 5675 | 5676 | 5677 | 5678 | 5679 | 5680 | 5681 | 5682 | 5683 |
5684 | 5685 | 5686 | 5687 | 5688 | 5689 | 5690 | 5691 | 5692 | 5693 | 5694 | 5695 | 5696 |
5697 | 5698 | 5699 | 5700 | 5701 | 5702 | 5703 | 5704 | 5705 | 5706 | 5707 | 5708 | 5709 |
5710 | 5711 | 5712 | 5713 | 5714 | 5715 | 5716 | 5717 | 5718 | 5719 | 5720 | 5721 | 5722 |
5723 | 5724 | 5725 | 5726 | 5727 | 5728 | 5729 | 5730 | 5731 | 5732 | 5733 | 5734 | 5735 |
5736 | 5737 | 5738 | 5739 | 5740 | 5741 | 5742 | 5743 | 5744 | 5745 | 5746 | 5747 | 5748 |
5749 | 5750 | 5751 | 5752 | 5753 | 5754 | 5755 | 5756 | 5757 | 5758 | 5759 | 5760 | 5761 |
5762 | 5763 | 5764 | 5765 | 5766 | 5767 | 5768 | 5769 | 5770 | 5771 | 5772 | 5773 | 5774 |
5775 | 5776 | 5777 | 5778 | 5779 | 5780 | 5781 | 5782 | 5783 | 5784 | 5785 | 5786 | 5787 |
5788 | 5789 | 5790 | 5791 | 5792 | 5793 | 5794 | 5795 | 5796 | 5797 | 5798 | 5799 | 5800 |
5801 | 5802 | 5803 | 5804 | 5805 | 5806 | 5807 | 5808 | 5809 | 5810 | 5811 | 5812 | 5813 |
5814 | 5815 | 5816 | 5817 | 5818 | 5819 | 5820 | 5821 | 5822 | 5823 | 5824 | 5825 | 5826 |
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5840 | 5841 | 5842 | 5843 | 5844 | 5845 | 5846 | 5847 | 5848 | 5849 | 5850 | 5851 | 5852 |
5853 | 5854 | 5855 | 5856 | 5857 | 5858 | 5859 | 5860 | 5861 | 5862 | 5863 | 5864 | 5865 |
5866 | 5867 | 5868 | 5869 | 5870 | 5871 | 5872 | 5873 | 5874 | 5875 | 5876 | 5877 | 5878 |
5879 | 5880 | 5881 | 5882 | 5883 | 5884 | 5885 | 5886 | 5887 | 5888 | 5889 | 5890 | 5891 |
5892 | 5893 | 5894 | 5895 | 5896 | 5897 | 5898 | 5899 | 5900 | 5901 | 5902 | 5903 | 5904 |
5905 | 5906 | 5907 | 5908 | 5909 | 5910 | 5911 | 5912 | 5913 | 5914 | 5915 | 5916 | 5917 |
5918 | 5919 | 5920 | 5921 | 5922 | 5923 | 5924 | 5925 | 5926 | 5927 | 5928 | 5929 | 5930 |
5931 | 5932 | 5933 | 5934 | 5935 | 5936 | 5937 | 5938 | 5939 | 5940 | 5941 | 5942 | 5943 |
5944 | 5945 | 5946 | 5947 | 5948 | 5949 | 5950 | 5951 | 5952 | 5953 | 5954 | 5955 | 5956 |
5957 | 5958 | 5959 | 5960 | 5961 | 5962 | 5963 | 5964 | 5965 | 5966 | 5967 | 5968 | 5969 |
5970 | 5971 | 5972 | 5973 | 5974 | 5975 | 5976 | 5977 | 5978 | 5979 | 5980 | 5981 | 5982 |
5983 | 5984 | 5985 | 5986 | 5987 | 5988 | 5989 | 5990 | 5991 | 5992 | 5993 | 5994 | 5995 |
5996 | 5997 | 5998 | 5999 | 6000] | [1502]

==========

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 contents 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 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
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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
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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
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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
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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
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3723 3724 3725 3726 3727 3728 3729 3730 3731 3732 3733 3734 3735 3736 3737 3738
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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
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3835 3836 3837 3838 3839 3840 3841 3842 3843 3844 3845 3846 3847 3848 3849 3850
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4011 4012 4013 4014 4015 4016 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026
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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
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4619 4620 4621 4622 4623 4624 4625 4626 4627 4628 4629 4630 4631 4632 4633 4634
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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
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4747 4748 4749 4750 4751 4752 4753 4754 4755 4756 4757 4758 4759 4760 4761 4762
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4779 4780 4781 4782 4783 4784 4785 4786 4787 4788 4789 4790 4791 4792 4793 4794
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5898, 5899, 5900, 5901, 5902, 5903, 5904, 5905, 5906, 5907, 5908, 5909, 5910,5911,
5912, 5913, 5914, 5915, 5916, 5917, 5918, 5919, 5920, 5921, 5922, 5923, 5924,5925,
5926, 5927, 5928, 5929, 5930, 5931, 5932, 5933, 5934, 5935, 5936, 5937, 5938,5939,
5940, 5941, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5950, 5951, 5952,5953,
5954, 5955, 5956, 5957, 5958, 5959, 5960, 5961, 5962, 5963, 5964, 5965, 5966,5967,
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5982, 5983, 5984, 5985, 5986, 5987, 5988, 5989, 5990, 5991, 5992, 5993, 5994,5995,
5996, 5997, 5998, 5999, 6000]]

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.

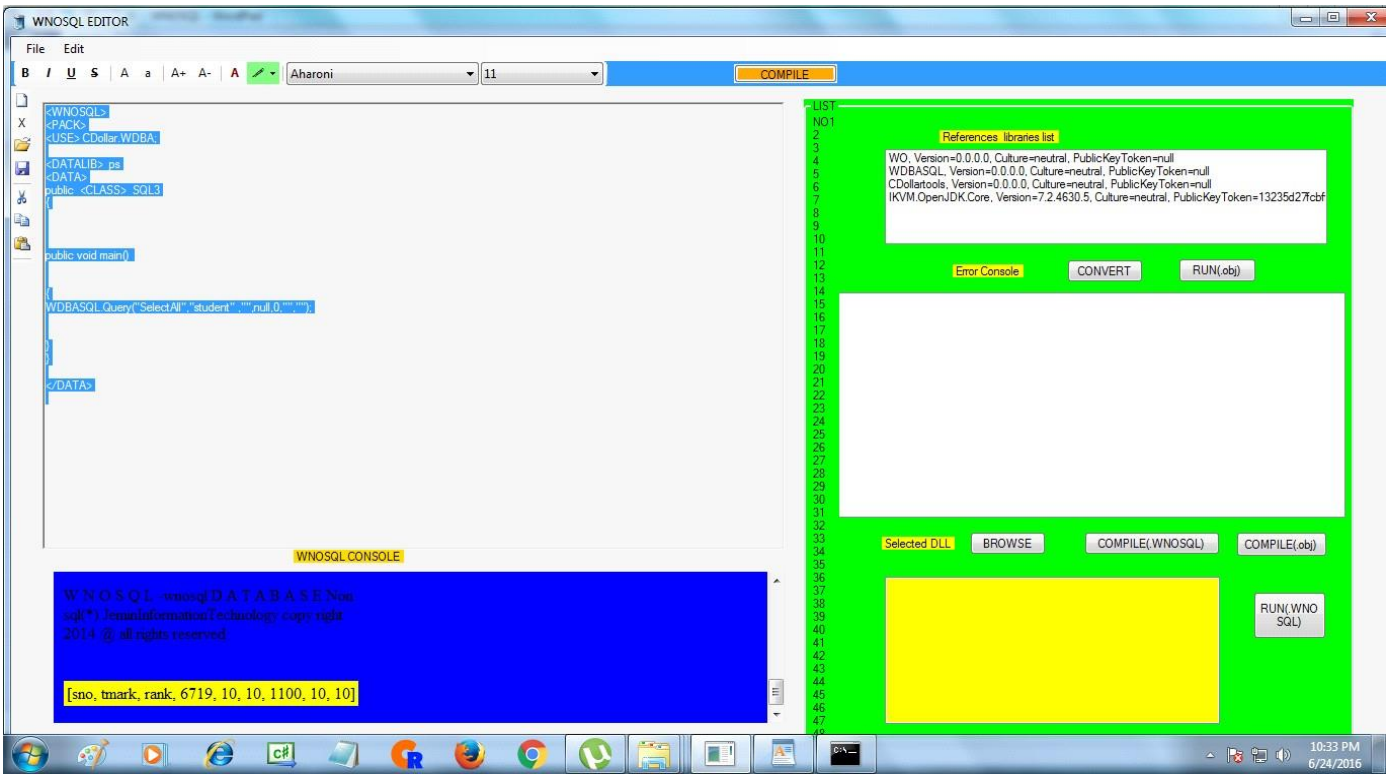
UNIT:9: WNOSQL(WSQL*) TEST Exercises

1) Write a WNOSQL Program to select all students

from a student table?

```
<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.

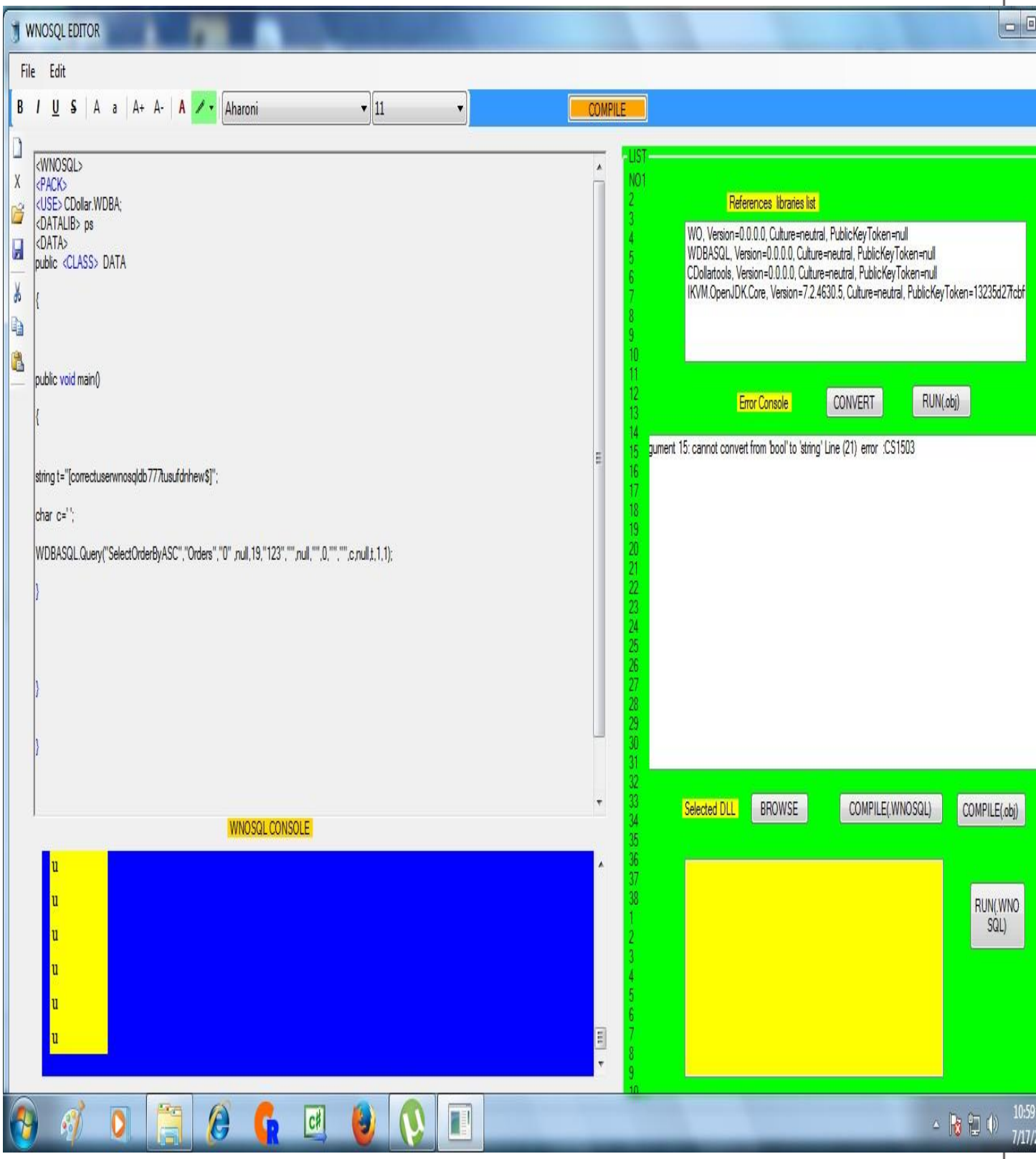
> Delete all the contents of table and drop the table.

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);
}
}
}
LIST
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
WNOSQL CONSOLE
u
u
u
u
u
u
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 browsebutton 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 JAVA , and other programming languages?

WNOSQL will not directly connect with JAVA , etc. So

you had to follow the given steps

a) STORE it in SQLSERVER

b)

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","jdbc:odbc:dsn","sa","jemin","wilmix21")));*

}

}

</DATA>

Note : use manipulate .dll in this case..

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 and other programming languages?

WNOSQL will not directly connect with other

programming Languages, etc So you had to follow

the given steps

Usually we store the data in mysql database or
any familar database in today market .

we can transport using manipulate.Signal(.....) API 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