ASSIGNMENT-16

```java
package projectMaven;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

public class CURD {

static Scanner scan=new
Scanner(System.in);

public static Statement
getStatement()throws SQLException,

ClassNotFoundException

{

Class.forName("com.mysql.jdbc.Driver");

Connection
connection=DriverManager.getConnection("j
dbc:mysql://localhost:3306/details","root
","santhanam");

Statement
statement=connection.createStatement();
```

```java
return statement;

}

public static int createTable() throws
SQLException, ClassNotFoundException

{

Statement statement=CURD.getStatement();

String Str="create table new(id int,name
varchar(20),mblNo varchar(20));" ;

int res=statement.executeUpdate(Str);

return res;

}

public static void insertData() throws
ClassNotFoundException, SQLException

{

//Statement
statement=CURD.getStatement();

Class.forName("com.mysql.jdbc.Driver");

Connection
con=DriverManager.getConnection("jdbc:mys
ql://localhost:3306/details","root","sant
hanam");
```

```java
PreparedStatement
prepad=con.prepareStatement("insert into
new values(?,?,?)");

//String str="insert into new
values(1,'santhanam','9698958057'),(2,'vi
jay','8698788057'),(3,'ravi','8765432145'
),(4,'ajith',6745238912)";

System.out.println("How Many details want
to add: ");

int a=scan.nextInt();

for(int i=0;i<a;i++) {

System.out.println("Enter id:");

prepad.setInt(1,scan.nextInt());

scan.nextLine();

System.out.println("Enter Name:");

prepad.setString(2, scan.nextLine());

System.out.println("Enter MblNo:");

prepad.setString(3, scan.nextLine());

int res=prepad.executeUpdate();

}

}
```

```java
public static int updateData() throws
ClassNotFoundException, SQLException

{

Class.forName("com.mysql.jdbc.Driver");

Connection
con=DriverManager.getConnection("jdbc:mys
ql://localhost:3306/details","root","sant
hanam");

PreparedStatement
prepad=con.prepareStatement("update new
set name=? where name=?;");

//Statement
statement=CURD.getStatement();

//String str="update new set
name='sandle' where name='vijay';";

System.out.println("New Name:");

prepad.setString(1,scan.nextLine());

System.out.println("Old Name:");

prepad.setString(2,scan.nextLine());

int res=prepad.executeUpdate();

return res;

}
```

```java
public static int deletedata() throws
ClassNotFoundException, SQLException

{

Class.forName("com.mysql.jdbc.Driver");

Connection
con=DriverManager.getConnection("jdbc:mys
ql://localhost:3306/details","root","sant
hanam");

//Statement
statement=CURD.getStatement();

String str="delete from new where id=?;";

PreparedStatement
pre=con.prepareStatement(str);

System.out.println("DELETE Id num? ");

pre.setInt(1, scan.nextInt());

int res=pre.executeUpdate();

return res;

}

public static void main(String[] a)
throws ClassNotFoundException,
SQLException

{

Scanner scan=new Scanner(System.in);
```

```java
Boolean res=true;

do {

System.out.println("Enter option:\n 1-
CreateTable \n 2-InsertData \n 3-
UpdateDATA \n 4-Delete \n 5-Exit" );

int option=scan.nextInt();

switch(option)

{

case 1:

CURD.createTable();

break;

case 2:

CURD.insertData();

break;

case 3:

CURD.updateData();

break;

case 4:

CURD.deletedata();

break;
```

```
case 5:

res=false;

}

}while(res);

}

}
```

BY:

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