Write a java program to create a table , Insert data , update data & delete data in database.

```
package jdbcpack;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

public class CreateDatabase {

public static Statement getStatement() throws ClassNotFoundException, SQLException

{

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

//connect to database

Connection
connection=DriverManager.getConnection("jdbc:mysql://localhost:3306/mydatabase",
"root", "Shivu@123");

//statement object

Statement statement=connection.createStatement();

return statement;

}

public static int createTable() throws ClassNotFoundException,SQLException

{

Statement statement = getStatement();

String str = "create table students" + "(Sid int," + "Name varchar(20)," + "Marks
double,"+ "Address varchar(20))";

int res = statement.executeUpdate(str);
```

```
System.out.println("Table Created Sucessfully");
return res;
}
public static int insertData() throws ClassNotFoundException, SQLException
{
Statement statement=getStatement();
String str= "insert into students values(01,'Ajay',98.76,'Pune') ";
String str1= "insert into students values(02,'Shivani',79.36,'Mumbai') ";
String str2= "insert into students values(03,'Rushi',88.20,'Nashik') ";
String str3= "insert into students values(04,'Aruna',83.45,'Kolhapur') ";
String str4= "insert into students values(05,'Sagar',91.08,'Satara') ";
int res1;
res1=statement.executeUpdate(str);
res1=statement.executeUpdate(str1);
res1=statement.executeUpdate(str2);
res1=statement.executeUpdate(str3);
res1=statement.executeUpdate(str4);
return res1;
}
public static int updateData() throws ClassNotFoundException,SQLException
{
Statement statement = getStatement();
String str = "update students set Address='Solapur' where Name='Rushi' ";
String str1 = "update students set Marks=85.20 where Sid=02";
String str2 = "update students set Name='Harsh' where Address='Pune' ";
int res2;
res2 = statement.executeUpdate(str);
```

```
res2 = statement.executeUpdate(str1);

res2 = statement.executeUpdate(str2);

return res2;

}

public static int deleteData() throws ClassNotFoundException,SQLException

{

Statement statement = getStatement();

String str = "delete from students where Address='Mumbai' ";

String str1 = "delete from students where Sid=05";

int res3;

res3 = statement.executeUpdate(str);

res3 = statement.executeUpdate(str1);

return res3;

}

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

{

char ch;

do {

Scanner sc = new Scanner(System.in);

System.out.println("1.Create Table");

System.out.println("2.Insert Data");

System.out.println("3.Update Data");

System.out.println("4.Delete Data");

System.out.println("0.Exit");

System.out.println("Enter your Option:");

int option = sc.nextInt();

switch (option) {
```

```
case 1:
int res= createTable();
break;
case 2:
int res1= insertData();
if(res1==1) {
System.out.println("Data inserted Sucessfully");
}
break;
case 3:
int res2= updateData();
if(res2==1) {
System.out.println("Data Updated Sucessfully");
}
break;
case 4:
int res3= deleteData();
if(res3==1) {
System.out.println("Data Deleted Sucessfully");
}
break;
case 0: System.out.println("Exiting...");
System.exit(0);
break;
default:System.out.println("Enter only 1,2,3,4");
break;
}
```

```
System.out.println("Do you want to continue press y/n");

ch=sc.next().charAt(0);

} while (ch=='y'||ch=='Y');

}

}
```

OUTPUT:

```
1.Create Table

2.Insert Data

3.Update Data

4.Delete Data

0.Exit

Enter your Option:

1

Table Created Sucessfully

Do you want to continue press y/n

y

Enter your Option:

2

Data inserted Sucessfully

Do you want to continue press y/n

y

1.Create Table

2.Insert Data

3.Update Data

4.Delete Data

0.Exit

Enter your Option:
```

```
3

Data updated Sucessfully

Do you want to continue press y/n

y

1.Create Table

2.Insert Data

3.Update Data

4.Delete Data

0.Exit

Enter your Option:

4

Data Deleted Sucessfully

Do you want to continue press y/n

y

1.Create Table

2.Insert Data

3.Update Data

4.Delete Data

0.Exit

Enter your Option:

0

Exiting...
```