Assignment - A9

Database Connectivity: Write a program to implement MySQL/Oracle database connectivity with any front end language to implement Database navigation operations (add, delete, edit etc.)

```
package matoshri;

import java.sql.*;
import java.util.Scanner;
public class DeptDB {


 public static void main(String[] args) {

 try{
         Scanner input=new Scanner(System.in);
 Class.forName("com.mysql.cj.jdbc.Driver");
 Connection c =
DriverManager.getConnection("jdbc:mysql://localhost: 3306/practical","student",
"Student@123");
 Statement sm = c.createStatement();
 System.out.println("Database Connected...");
 int ch;

 do {
System.out.println("Enter Chioce \n 1.Insert \n 2.Select \n 3.Update \n 4.Delete

\n 5.Exit ");
 ch=input.nextInt();
 switch (ch) {

 case 1: String sql = "insert into Student values(8,1010,'Pooja','Deore',18,
'Nashik');";
 sm.executeUpdate(sql);
 System.out.println("Record is Inserted...");
 break;
 case 2: sql = "SELECT first_name, last_name, age,city FROM Student";
 ResultSet rs = sm.executeQuery(sql);
 while(rs.next())
 {
 String fname = rs.getString("first_name");
 String lname = rs.getString("last_name");
 int age = rs.getInt("age");
 String city = rs.getString("city");
 System.out.println("First Name: " + fname);
 System.out.println("Last Name: " + lname);
 System.out.println("Age: " + age);
 System.out.println("City: " + city);
 }
 break;
case 3: sql = "update Student set first_name='Manoj' where id =5;";
 sm.executeUpdate(sql);
 System.out.println("Record is Updated...");
```

```
 break;
case 4: sql = "delete from Student where id = 8;";
 sm.executeUpdate(sql);
 System.out.println("Record is deleted...");
 break;
 } }while(ch<5);
 }
 catch(Exception e){
 e.printStackTrace();
 }
 }
 }
```

```
*********************************************************************************
*                                    OUTPUT                                     *
*********************************************************************************
Database Connected...
Enter Chioce
 1.Insert
 2.Select
 3.Update
 4.Delete
 5.Exit
1
Record is Inserted...
Enter Chioce
 1.Insert
 2.Select
 3.Update
 4.Delete
 5.Exit
2
First Name: Shital
Last Name: Gayke
Age: 18
City: Sinnar
First Name: Sakshi
Last Name: More
Age: 19
City: Nashik
First Name: Ajay
Last Name: Mendade
Age: 18
City: Satpur
First Name: Manoj
Last Name: More
Age: 19
City: Wani
First Name: Alok
Last Name: Pandit
Age: 18
City: Nashik
First Name: Sanju
Last Name: Banka
```

```
Age: 18
City: Bhagur
First Name: Pooja
Last Name: Deore
Age: 18
City: Nashik
Enter Chioce
 1.Insert
 2.Select
 3.Update
 4.Delete
 5.Exit
3
Record is Updated...
Enter Chioce
 1.Insert
 2.Select
 3.Update
 4.Delete
 5.Exit
4
Record is deleted...
Enter Chioce
 1.Insert
 2.Select
 3.Update
 4.Delete
 5.Exit
5
```