Name: Saurav Muke
Roll No: 31342
Class : TE3

Code:


```java
import java.sql.*;
import java.util.*;
public class Main {

        public static void main(String args[]) {
                try
                {
                        int op=0;
                        int flag=1;
                        Class.forName("com.mysql.jdbc.Driver");  // step-1-register the
driver class
                        //step2- establish connection
                        Connection con=DriverManager.getConnection(
                        "jdbc:mysql://10.10.12.108:3306/t31342db","t31342","t31342");
                        Statement stmt=con.createStatement();//step-3 create the
statement object
                        //step-4- to execute the queries-execute(string
sql),executeUpdate(),executeQuery()


//                              if(!stmt.execute("select count(*) from
information_schema.tables where table_name='rec';")) {
                                        //stmt.executeUpdate("create table rec(rno int
primary key, name varchar(20), branch varchar(30),cgpa int(10),city varchar(20))");

                                while(flag==1) {
                                        System.out.println("Hello Felows.... Welcome
You..");

                                        System.out.println("Please Select The Option To
Continue");
                                        System.out.println("1.Insert Your Details");
                                        System.out.println("2.Edit Tour Details");
                                        System.out.println("3. Delete Your Details");
                                        System.out.println("4. Display Record ");
                                        System.out.println("5. Display All Records");
                                        System.out.println("6.Exit");

                                        Scanner sc = new Scanner(System.in);
                                    op=sc.nextInt();
                                switch(op){
                                case 1:
                                        System.out.println("Enter Your Roll No");
                                        int rno=sc.nextInt();
                                        System.out.println("Enter Your Name");
                                        String name=sc.next();
                                        System.out.println("Enter Your Branch");
                                        String branch=sc.next();
                                        System.out.println("Enter Your CGPA");
                                        int cgpa=sc.nextInt();
                                        System.out.println("Enter Your City");
                                        String city=sc.next();
                                        String s="insert into
rec"+"(rno,name,branch,cgpa,city)"+"  values(?,?,?,?,?)";
                                        PreparedStatement stat = con.prepareStatement(s);
                                        stat.setInt(1, rno);
```

```
                                         stat.setString(2, name);
                                         stat.setString(3, branch);
                                         stat.setInt(4, cgpa);

                                         stat.setString(5, city);


                                         stat.executeUpdate();

                                         break;

                          case 2:
                                 System.out.println("Enter Your Roll No To
Update");

                                 rno=sc.nextInt();
                                 System.out.println("Enter Branch To Update");
                                 branch=sc.next();
                                 System.out.println("Enter City To Update");
                                 city=sc.next();

                                  s="update rec set branch=?,city=? where rno=?";
                                  stat = con.prepareStatement(s);
                                 stat.setString(1, branch);
                                 stat.setString(2, city);
                                 stat.setInt(3, rno);
                                 stat.execute();
                                 break;
                          case 3:
                                 System.out.println("Enter Your Roll No To
Delete");

                                 rno=sc.nextInt();


                                 s="delete from rec where rno=?";
                                 stat = con.prepareStatement(s);
                                 stat.setInt(1, rno);
                                 stat.execute();
                                 break;
                          case 4:
                                 System.out.println("Enter Your Roll No To Display
Record");

                                 rno=sc.nextInt();


                                 s="select * from rec where rno=?";
                                 stat = con.prepareStatement(s);
                                 stat.setInt(1, rno);
                                 ResultSet r=stat.executeQuery();
                                 r.next();
                                 System.out.println(" Roll No:"+r.getInt("rno")-
+"\n Name :"+r.getString("name")+"\n Branch :" +r.getString("branch")+"\n
CGPA :"+r.getInt("CGPA")+"\n City"+r.getString("city"));

                                 break;
                          case 5:
                                 System.out.println("All Record
Are");

                                 s="select * from rec ";
                                  r=stmt.executeQuery(s);
                                 while(r.next()) {

System.out.println("---------------------------------------------------------------");
                                        System.out.println(" Roll
No:"+r.getInt("rno")+"\n Name :"+r.getString("name")+"\n Branch :" +r.getString("branch")-
+"\n CGPA :"+r.getInt("CGPA")+"\n City"+r.getString("city"));
```

```
                                                }

                                                break;
                                        case 6:
                                                System.out.println("Terminating........");
                                                flag=0;
                                        default:
                                                System.out.println("Enter proper choice ..");
                                                break;

                                }

                                }

                }
                catch(ClassNotFoundException | SQLException e)
                {
                        System.out.println(e);
                }



        }


}
```

Output:

Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
1
Enter Your Roll No
9
Enter Your Name
Rahul
Enter Your Branch
Co
Enter Your CGPA
10
Enter Your City
Pune
Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
2
Enter Your Roll No To Update
9
Enter Branch To Update
It
Enter City To Update
Pune
Hello Felows.... Welcome You..

```
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
4
Enter Your Roll No To Display Record
9
 Roll No:9
 Name :Rahul
 Branch :It
 CGPA :10
 CityPune
Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
5
All Record Are
------------------------------------------------------------
 Roll No:2
 Name :\lkdsl
 Branch :dsdsd
 CGPA :5
 Citydsdsd
------------------------------------------------------------
 Roll No:4
 Name :sau
 Branch :co
 CGPA :8
 Cityjd
------------------------------------------------------------
 Roll No:5
 Name :Saurav
 Branch :IT
 CGPA :10
 CityPune
------------------------------------------------------------
 Roll No:7
 Name :saurav
 Branch :It
 CGPA :9
 CityPune
------------------------------------------------------------
 Roll No:9
 Name :Rahul
 Branch :It
 CGPA :10
 CityPune
Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
3
Enter Your Roll No To Delete
9
```

```
Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
5
All Record Are
 -----------------------------------------------------------
 Roll No:2
 Name :\lkdsl
 Branch :dsdsd
 CGPA :5
 Citydsdsd
 -----------------------------------------------------------
 Roll No:4
 Name :sau
 Branch :co
 CGPA :8
 Cityjd
 -----------------------------------------------------------
 Roll No:5
 Name :Saurav
 Branch :IT
 CGPA :10
 CityPune
 -----------------------------------------------------------
 Roll No:7
 Name :saurav
 Branch :It
 CGPA :9
 CityPune
Hello Felows.... Welcome You..
Please Select The Option To Continue
1.Insert Your Details
2.Edit Tour Details
3. Delete Your Details
4. Display Record
5. Display All Records
6.Exit
6
Terminating
```