CODE:

package jdbc;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.Scanner;

/\*\*

\* @param args the command line arguments\*/

class insertion{

void add(){

try{

Scanner obj1 = new Scanner(System.in);

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","root");

System.out.println("Add student");

System.out.println("stuID:");

int x = obj1.nextInt();

System.out.println("stu NAME:");

String y = obj1.next();

PreparedStatement p = (PreparedStatement) con.prepareStatement("insert into info values(?,?)");

p.setInt(1, x);

p.setString(2, y);

if(p.executeUpdate() == 1)

{

System.out.println("ADDED SUCESSFULY");

}

else

{

System.out.println("INVALID VALUES");

}

}

catch(ClassNotFoundException | SQLException e)

{

System.out.println(e);

}

}

}

class deletion{

void remove(){

try{

Scanner obj = new Scanner(System.in);

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

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","root");

System.out.println("delete name");

System.out.println(" NAME:");

String y = obj.next();

PreparedStatement p = (PreparedStatement) con.prepareStatement("delete from info where name = ?");

           p.setString(1, y);

           if(p.executeUpdate()==1){

           System.out.println("DELETED SUCESSFULY");}

           else{

               System.out.println("THERE IS NO student IN THE GIVEN student NAME");

           }

}

catch(ClassNotFoundException | SQLException e)

{

System.out.println(e);

}

}

}

class updation{

    void reset(){

        try{

           Scanner obj = new Scanner(System.in);

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

           Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","root");

           System.out.println("RESET STUDENT DETAILS BASED ON sTUDENT ID");

           System.out.println("stu ID:");

           int x = obj.nextInt();

           System.out.println("student NAME:");

           String y = obj.next();

           PreparedStatement p = (PreparedStatement) con.prepareStatement("update info set name=? where id=?");

            p.setInt(2, x);

            p.setString(1, y);

            if(p.executeUpdate()==1){

           System.out.println("UPDATED SUCESSFULY");}

           else{

               System.out.println("THERE IS NO student IN THE GIVEN  ID");

           }

        }

        catch(ClassNotFoundException | SQLException e)

        {

            System.out.println(e);

        }

    }

}

class view{

    void display(){

        try{

           Scanner obj = new Scanner(System.in);

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

           Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/hotel","root","root");

           PreparedStatement ps = (PreparedStatement) con.prepareStatement("select \* from info");

           ps.executeQuery();

           ResultSet rs = ps.executeQuery();

           while(rs.next())

           {

         System.out.println(rs.getInt("id")+" , "+rs.getString("name")+",");

           }

        }

        catch(ClassNotFoundException | SQLException e)

        {

            System.out.println(e);

        }

    }

}

public class JDBC

{

    public static void main(String[] args)

    {

        int j=1;

        Scanner obj3 = new Scanner(System.in);

        while(j>0){

        System.out.println("STUDENT");

        System.out.println("Choose any option");

        System.out.println("1.Add STUDENT\n2.Delete STUDENT\n3.UPDATE Details\n4.Display\n.Press any key for exit");

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

        String a=obj3.next();

        if("1".equals(a)){

            insertion i=new insertion();

            i.add();

        }

        else if("2".equals(a)){

            deletion d=new deletion();

            d.remove();

        }

        else if("3".equals(a)){

            updation re=new updation();

            re.reset();

        }

        else if("4".equals(a)){

            view v=new view();

            v.display();

        }

        else{

            System.out.println("Thankyou");

            return;

        }

    }

    }

}