```java
package jdbcpack;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class StudConnection {
 public static Connection getConnection()
 {
 Connection connection=null;
 //load driver--connect mysql
 try
 {
 Class.forName("com.mysql.jdbc.Driver");        //getting error of class not found so go with try catch

 connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/students","root","Kavya@98346
18085");
 return connection;


 }
 catch(ClassNotFoundException e)
 {
 System.out.println(e.getMessage()+"   "+e.getClass());
 return null;                    //in case if there is any exception it will return null
 }
 catch(SQLException ex)
 {
  System.out.println(ex.getMessage());
  return null;
 }
 }
}


package jdbcpack.model;

public class Students {
private int RollNo;
private String Name;
private String City;
private String Emailid;
private String ContactNo;
private int Standard;

public Students() {

}

public Students(int rollNo, String name, String city, String emailid,String contactNo,int standard) {
 super();
 RollNo = rollNo;
 Name = name;
 City = city;
 ContactNo = contactNo;
```

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  Emailid = emailid;
  Standard = standard;
 }


 public int getRollNo() {
  return RollNo;
 }
 public void setRollNo(int rollNo) {
  RollNo = rollNo;
 }
 public String getName() {
  return Name;
 }
 public void setName(String name) {
  Name = name;
 }
 public String getCity() {
  return City;
 }
 public void setCity(String city) {
  City = city;
 }


 public String getEmailid() {
  return Emailid;
 }

 public void setEmailid(String emailid) {
  Emailid = emailid;
 }
 public String getContactNo() {
  return ContactNo;
 }
 public void setContactNo(String contactNo) {
  ContactNo = contactNo;
 }
 public int getStandard() {
  return Standard;
 }
 public void setStandard(int standard) {
  Standard = standard;
 }

 @Override
 public String toString() {
  return "Students [RollNo=" + RollNo + ", Name=" + Name + ", City=" + City + ", Emailid=" + Emailid + ", C
ontactNo="
    + ContactNo + ", Standard=" + Standard + "]";
 }
}
```

```java
package jdbcpack.service;
import jdbcpack.model.Students;
import java.sql.SQLException;

public interface StudInterface {
public void addStudent(Students s) throws SQLException;
public void deleteStudent(int RollNo) throws SQLException;
public int updateStudent(Students s,int RollNo,String property) throws SQLException;
public void displayStudent() throws SQLException;
public Students findStudentByRollNo(int RollNo) throws SQLException;

}

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

import jdbcpack.StudConnection;
import jdbcpack.model.Students;

public class StudInterfaceImpl implements StudInterface {

 Connection connection =null;
 PreparedStatement pst=null;

public StudInterfaceImpl() {
 connection=StudConnection.getConnection();
}


 @Override
 public void addStudent(Students s) throws SQLException {
  // TODO Auto-generated method stub
 pst=connection.prepareStatement("insert into students values(?,?,?,?,?,?)");
 pst.setInt(1, s.getRollNo());
 pst.setString(2, s.getName());
 pst.setString(3, s.getCity());
 pst.setString(4, s.getEmailid());
 pst.setString(5, s.getContactNo());
 pst.setInt(6, s.getStandard());
 int res=pst.executeUpdate();
 if(res==1) {
  System.out.println("Inserted successfully");
 }

}

 @Override
 public void deleteStudent(int RollNo) throws SQLException {
  // TODO Auto-generated method stub
  pst=connection.prepareStatement("delete from students where RollNo=?");
  pst.setInt(1, RollNo);
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 boolean resultSet=pst.execute();
}

@Override
public int updateStudent(Students s, int RollNo, String property) throws SQLException {
 // TODO Auto-generated method stub
 Students student1=findStudentByRollNo(RollNo);
 if(property.equals("Name"));
      student1.setName(s.getName());
   if(property.equals("City"));
      student1.setCity(s.getCity());
   if(property.equals("Emailid"));
      student1.setEmailid(s.getEmailid());
 if(property.equals("Standard"));
      student1.setStandard(s.getStandard());
 if(property.equals("ContactNo"));
      student1.setContactNo(s.getContactNo());
 pst=connection.prepareStatement("update students set Name=?,City=?,Emailid=?,Standard=?,Contact
No=? where RollNo=?");
 pst.setString(1, student1.getName());
 pst.setString(2, student1.getCity());
 pst.setString(3, student1.getEmailid());
 pst.setString(4, student1.getContactNo());
 pst.setInt(5, student1.getStandard());
 int res=pst.executeUpdate();
 return res;



}


@Override
public void displayStudent() throws SQLException {
 // TODO Auto-generated method stub
 pst=connection.prepareStatement("select*from students");
 ResultSet resultSet=pst.executeQuery();
 while(resultSet.next()) {
  int RollNo=resultSet.getInt("RollNo");
  String Name=resultSet.getString("Name");
  String City=resultSet.getString("City");
  String Emailid=resultSet.getString("Emailid");
    String ContactNo=resultSet.getString("ContactNo");
  int Standard=resultSet.getInt("Standard");
  Students student=new Students(RollNo,Name,City,Emailid,ContactNo,Standard);
  System.out.println(student);
 }
}
@Override
public Students findStudentByRollNo(int RollNo) throws SQLException {
 // TODO Auto-generated method stub
 pst=connection.prepareStatement("select*from students where RollNo=?");
 pst.setInt(1, RollNo);
 ResultSet resultSet=pst.executeQuery();
 resultSet.next();
```

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    Students student=new Students(resultSet.getInt(1),resultSet.getString(2),resultSet.getString(3),resultSet
.getString(4),resultSet.getString(5),resultSet.getInt(6));
    return student;
    }
}

package jdbcpack;

import java.sql.SQLException;
import java.util.Scanner;

import jdbcpack.model.Students;
import jdbcpack.service.StudInterfaceImpl;

public class TestStudent {

 public static void main(String[] args) {
  // TODO Auto-generated method stub
  Scanner sc = new Scanner(System.in);
  StudInterfaceImpl sinterface=new StudInterfaceImpl();
  char ch;
  do {
  System.out.println("Student Management Application");
  System.out.println("1.Add");
  System.out.println("2.Delete");
  System.out.println("3.Update");
  System.out.println("4.Display");
  System.out.println("5.Finding");
  System.out.println("6.Exit");
  System.out.println("Enter an option: ");
  int option=sc.nextInt();

 switch(option) {

 case 1:
  System.out.println("Enter student details: ");
  System.out.println("Enter roll number: ");
  int RollNo=sc.nextInt();
  System.out.println("Enter name: ");
  String Name=sc.next();
  System.out.println("Enter city: ");
  String City=sc.next();
  System.out.println("Enter email Id: ");
  String Emailid=sc.next();
  System.out.println("Enter contact number: ");
  String ContactNo=sc.next();
  System.out.println("Enter Standard: ");
  int Standard=sc.nextInt();
  Students student = new Students(RollNo,Name,City,Emailid,ContactNo,Standard);

  try {
  sinterface.addStudent(student);
  }catch(SQLException e){
  System.out.println("adding student--->"+e.getMessage());
  }
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    break;

case 2:
  System.out.println("Deleting Student: ");
  System.out.println("Enter the RollNo you want to delete");
  int rollNo=sc.nextInt();
  Students dStudent=new Students();
  System.out.println("Are you sure...you want to delete(y/n)");
  char ch1=sc.next().charAt(0);

  if(ch1=='y'||ch1=='Y') {
  try {
  sinterface.deleteStudent(rollNo);
  System.out.println("Delete Sucessfully");
  }catch(SQLException e){
  System.out.println("Deleting student--->"+e.getMessage());
  }
  }
  break;
case 3:
  System.out.println("-----Updating Student-----");
  System.out.println("Enter the student RollNo you want to modify");
  int RollNo1=sc.nextInt();
  System.out.println("Enter the property you want to change");
  String property=sc.next();
  Students uStudent=new Students();
  if(property.equals("Name")) {
  System.out.println("Enter the name: ");
  uStudent.setName(sc.next());
  }

  if(property.equals("City")) {
  System.out.println("Enter the City: ");
  uStudent.setCity(sc.next());
  }
  if(property.equals("Emailid")) {
  System.out.println("Enter the EmaildId: ");
  uStudent.setEmailid(sc.next());
  }
  if(property.equals("ContactNo")) {
   System.out.println("Enter the Contact number: ");
   uStudent.setContactNo(sc.next());
  }
  if(property.equals("Standard")) {
  System.out.println("Enter the Standard: ");
  uStudent.setStandard(sc.nextInt());
  }
  try {
  int res=sinterface.updateStudent(uStudent, RollNo1, property);
  if(res==1) {
  System.out.println("Updated Sucessfully");
  sinterface.displayStudent();
  }
  }catch(SQLException e){
  System.out.println("updating student--->"+e.getMessage());
```

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      }
      break;

    case 4:
      System.out.println("Student Details: ");
      try {
      sinterface.displayStudent();
      }catch(SQLException e){
      System.out.println("displaying student--->"+e.getMessage());
      }
      break;

    case 5:

      System.out.println("Finding Student: ");
      System.out.println("Enter RollNo");
      int RollNo3=sc.nextInt();
      Students fstudent;
      try {
      fstudent=sinterface.findStudentByRollNo(RollNo3);
      System.out.println(fstudent);
      }catch(SQLException e){
      System.out.println("Finding student--->"+e.getMessage());
      }
      break;
    case 6:
      if(option==6) {
      System.exit(0);
      }
      break;
      default:System.out.println("Please Enter a Valid Option");
      }
      System.out.println("Press (y/Y) to continue ");
      ch=sc.next().charAt(0);
      }while(ch=='y'|| ch=='Y');
      }
}
```