```
package view;
import java.awt.event.ActionEvent;
  public class Uiview {
   protected static final Object[][] String - null;
) public Uiview(){
      JFrame f= new JFrame("student");
      Diabel 1b- new Diabel("Name:
      lb.setBounds(58,48,188,48);
      DiextField tx-new DiextField();
      tx.setBounds(50, 80, 120, 40);
      JLabel lb1-new JLabel("Address:
      lb1.setBounds(300, 40, 100, 40);
      MextField txl-new MextField();
      tx1.setBounds(300, 80, 230, 80);
      Diabel 1b2- new Diabel("Roll:
      lb2.setBounds(600,40,120,40);
      JTextField tx2-new JTextField();
      tx2.setBounds(600,80,80,40);
      JButton b=new JButton("Insert");
      b.setBounds(50, 300, 80, 40);
      JButton bl-new JButton("Update");
      bl.setBounds(200,300, 80, 40);
      JButton b2-new JButton("Delete");
      b2.setBounds(350, 300, 80, 40);
      JButton b3-new JButton("Shows");
      b3.setBounds(500,300,80,40);
      JButton b4-new JButton("Search");
      b4.setBounds(650, 300, 80, 40);
      b.addActionListener(new ActionListener(){
          @Override
          public void actionPerformed(ActionEvent arg8) {
                  String name-tx.getText();
                  String address=tx1.getText();
                  int roll=Integer.parseInt(tx2.getText());
                  Student s= new Student(roll,name,address);
                  try
                      int a=new Student Swing().insert(s);
                      if(a>8)
                          DoptionPane.showMessageDialog(f, "Data inserted");
                  catch(ClassNotFoundException | SQLException e1)
                      el.printStackTrace();
  11
      10:
      b1.addActionListener(new ActionListener(){
          public void actionPerformed(ActionEvent arg0) {
                  String name-tx.getText();
                  String address=tx1.getText();
      int roll=Integer.parseInt(tx2.getText());
```

```
String address-tkl.getText();
 75
          int roll-Integer.parseInt(tx2.getText());
 76
 77
                       Student s- new Student(roll,name,address);
 78
 79
                           int a-new Student Swing().update(s);
 38
                           if(ax8)
 81
 20.7
                               DOptionPane.showMessageDiaLog(f, "Data Upadate");
 83
 34
 85
                       catch(ClassNotFoundException | SQLException e1)
 35
 87
                          el.printStackTrace();
 88
                       1
 29
 98
           \mathfrak{R}_{i}
           b2.addActionListener(new ActionListener(){
 91(-)
 92
               #Override
               public void actionPerformed(ActionEvent arg8) {
 93
 94
                       int roll=Integer.parseInt(tx2.getText());
 95
                       Student s= new Student(roll);
96
                       trys
97
                           int a-new Student Swing().delete(s);
 98
                           if(a)0)
99
                               DOptionPane.showMessageDialog(f, "Data Delete");
188
181
162
                       catch(ClassNotFoundException | SQLException e1)
163
184
185
                           el.printStackTrace();
186
187
168
           b3.addActionListener(new ActionListener() {[]
189(1)
          b4.addActionListener(new ActionListener(){
141
142-
               public void actionPerformed(ActionEvent arg8) {
143
                  try {
144
145
                       int len- new Student Swing().len();
146
                       System.out.println(len);
147
                       int roll=Integer.parseInt(tx2.getText());
148
                       Student s- new Student(roll);
                       ResultSet rs - new Student Swing().st1(s);
149
150
                       String[][] data - new String[len][3]; // Assuming max 10 rows for simp.
151
                       int row - 8;
152
                       while (rs.next()) {
153
154
                           data[row][0] - rs.getString(1);
155
                           data[row][1] = rs.getString(2);
156
                           data[row][2] - rs.getString(3);
157
                           POMPE;
158
159
                       String[] column = {"Roll", "Name", "Address"};
150
161
                       DTable jt - new DTable(data,column);
                       jt.setBounds(25, 600, 700, 600);
162
163
                       DScrollPane sp-new DScrollPane(jt);
164
165
                       f.add(sp):
                       f.add(jt);
166
                       // Ensure the frame refreshes to show the table
157
```

```
🎵 Uiview.java 🔀
$105
                           el.printStackTrace();
106
%187
188
189(<del>1</del>)
          3);
          b3.addActionListener(new ActionListener() {[]
×141
          b4.addActionListener(new ActionListener(){
142
              public void actionPerformed(ActionEvent arg8) {
$143
                  try
144
145
                      int len- new Student Swing().len();
145
                      System.out.println(len);
147
                      int roll-Integer.parseInt(tx2.getText());
148
                      Student s= new Student(roll);
149
                      ResultSet rs = new Student Swing().st1(s);
158
                      String[][] data - new String[len][3]; // Assuming max 10 rows for simplicity
151
                      int row = 0;
2152
                      while (rs.next()) {
153
154
                          data[row][0] - rs.getString(1);
155
                           data[row][1] - rs.getString(2);
156
                           data[row][2] = rs.getString(3);
157
                           POMPH;
                      3
$158
159
                      String[] column = {"Roll", "Name", "Address"};
158
161
                       Fiable it - new Fiable(data,column);
162
                       jt.setBounds(25, 600, 700, 600);
163
                       JScrollPane sp-new JScrollPane(jt);
164
165
                       f.add(sp);
                       f.add(jt);
155
167
                       // Ensure the frame refreshes to show the table
158
169
                  } catch (ClassNotFoundException | SQLException e) {
178
                      e.printStackTrace();
171
172
          3);
173
2174
      // f.add(sp);
175
175
         f.add(b4);
177
         f.add(b3);
178
         f.add(bZ);
179
         f.add(b1);
188
         f.add(b);
181
         f.add(txZ);
8182
          f.add(1b2);
183
          f.add(tx1);
134
          f.add(lb1);
          f.add(lb):
185
         f.add(tx);
185
         f.setSize(800.1000):
187
$188
         f.setLayout(null);
189
         f.setVisible(true);
198
191
192
193(-)
       public static void main(String args[])
194
       new Uiview();
195
196
197
```

198

```
J Uiview.java
                  package model;
  2
  3
     public class Student {
         private int roll;
  5
         private String name;
  6
         private String address;
  7
  80
         public String getAddress() {
  9
             return address;
 10
 11
         public void setAddress(String address) {
     11
 12 //
             this.address = address;
 13 //
 140
         public String getName() {
 15
             return name;
 16
 17
     // public void setName(String name) {
 18
     11
             this.name = name;
 19
     11
         public int getRoll() {
 200
 21
             return roll;
 22
 23
     // public void setRoll(int roll) {
     11
             this.roll = roll;
 24
 25
     11
         public Student(int roll)
 26
 27
 28
             super();
 29
             this.roll = roll;
 30
 31
         }
 320
         public Student(String name, String address)
 33
 34
             super();
 35
             this.name = name;
             this.address = address;
 36
 37
         }
 380
         public Student(int roll, String name, String address) {
 39
             super();
 48
             this.roll = roll;
 41
             this.name = name;
 42
             this.address = address;
 43
         3
 44
```

```
J) Uiview.java
           J Student.java
1 package controller;
2⊕ import java.sql.Connection;
10 public class Student Swing {
       public Connection connect() throws ClassNotFoundException, SQLException
119
12
           Class.forName("com.mysql.cj.jdbc.Driver");
13
           Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/collegess", "root", "Akaremore@47");
14
           return con;
15
16
17
18⊖
       public int insert(Student s) throws ClassNotFoundException, SOLException {
19
           Connection cn= connect():
           PreparedStatement stmt= cn.prepareStatement("INSERT INTO student(name,address,roll) VALUE (?,?,?)");
20
21
           stmt.setString(1,s.getName());
22
           stmt.setString(2,s.getAddress());
23
           stmt.setInt(3, s.getRoll());
24
           int a=stmt.executeUpdate();
25
           return a;
26
       public int update(Student s) throws ClassNotFoundException, SQLException
27⊖
28
           Connection cn= connect();
29
           PreparedStatement stmt=cn.prepareStatement("UPDATE student SET name=?, address=? WHERE roll="+s.getRoll()+"");
30
           stmt.setString(1,s.getName());
31
           stmt.setString(2,s.getAddress());
32
           int a=stmt.executeUpdate();
33
34
           return a;
35
       public int delete(Student s) throws ClassNotFoundException, SQLException
36⊕
```

```
☐ Package Explorer 
☐

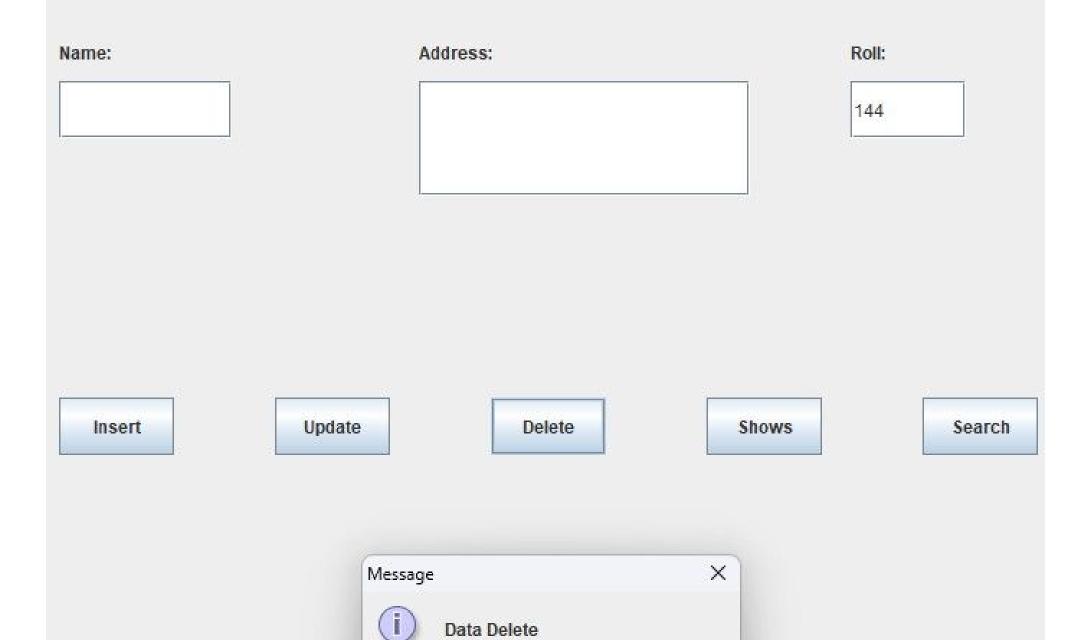
                                  Uiview.java
                                               J Student.java
                                                             §9 ▽
                                   60
                                                int j=0;
                                                while(rs.next())
                                   61
> Sollection minproject
                                   62
> 🥵 day3 p5
                                   63
                                                        j=rs.getInt(1);
> 😂 ndndndnd
> Prepared Statement Dbs
                                   64

✓ 

Swing student package

                                   65
                                                return j;
  ∨ # src
                                   66
    ∨ ⊕ controller
                                           public int len1(Student s) throws ClassNotFoundException, SQLException
                                   67 //
      > J Student_Swing.java
                                   68 //
    v 🌐 model
                                   69 //
                                                Connection cn=connect();
      > J Student.java
                                                PreparedStatement stmt=cn.prepareStatement("SELECT roll FROM student WHERE roll="+s.getRoll()+"");
                                   70 //
    ∨ Æ view
                                   71 //
                                                ResultSet rs=stmt.executeQuery();
       > / Uiview.java
                                   72 //
                                                int j=0;
  > M JRE System Library [JavaSE-1.8]
                                   73 //
                                                while(rs.next())
  > Referenced Libraries
                                   74 //
                                   75 //
                                                        j=rs.getInt(1);
                                   76 //
                                   77 //
                                                return j;
                                   78 //
                                   79
                                   809
                                           public ResultSet st1(Student s) throws ClassNotFoundException, SQLException{
                                   81
                                                Connection cn=connect();
                                                PreparedStatement stmt= cn.prepareStatement("SELECT * FROM student WHERE roll="+s.getRoll()+"");
                                   82
                                   83
                                                ResultSet rs=stmt.executeQuery();
                                   84
                                                return rs;
                                   85
                                   86
                                   87
                                   88 }
                                   89
```

```
create database collegess;
 1 0
       use collegess;
 2 •
 3 ● Greate table student(
       roll int unique not null,
 4
 5
       name varchar(30),
       address varchar(100),
 6
7
       id int primary key auto_increment
 8
       );
9
10 •
        INSERT INTO student(roll, name, address) VALUES
        (8, "Atharva", "nagpure"),
11
       (1, 'Alice Johnson', '123 Main St, Springfield'),
12
       (2, 'Bob Smith', '456 Oak Ave, Springfield'),
13
       (3, 'Charlie Brown', '789 Pine St, Springfield'),
14
15
       (4, 'Diana Prince', '101 Maple St, Springfield'),
       (5, 'Ethan Hunt', '202 Birch St, Springfield');
16
17
        INSERT INTO student(roll, name, address) VALUES
18 •
       (6, 'Ethaadsadasad Hunt', '202 Birch St, Springfield');
19
       select * from student;
20 •
```



OK

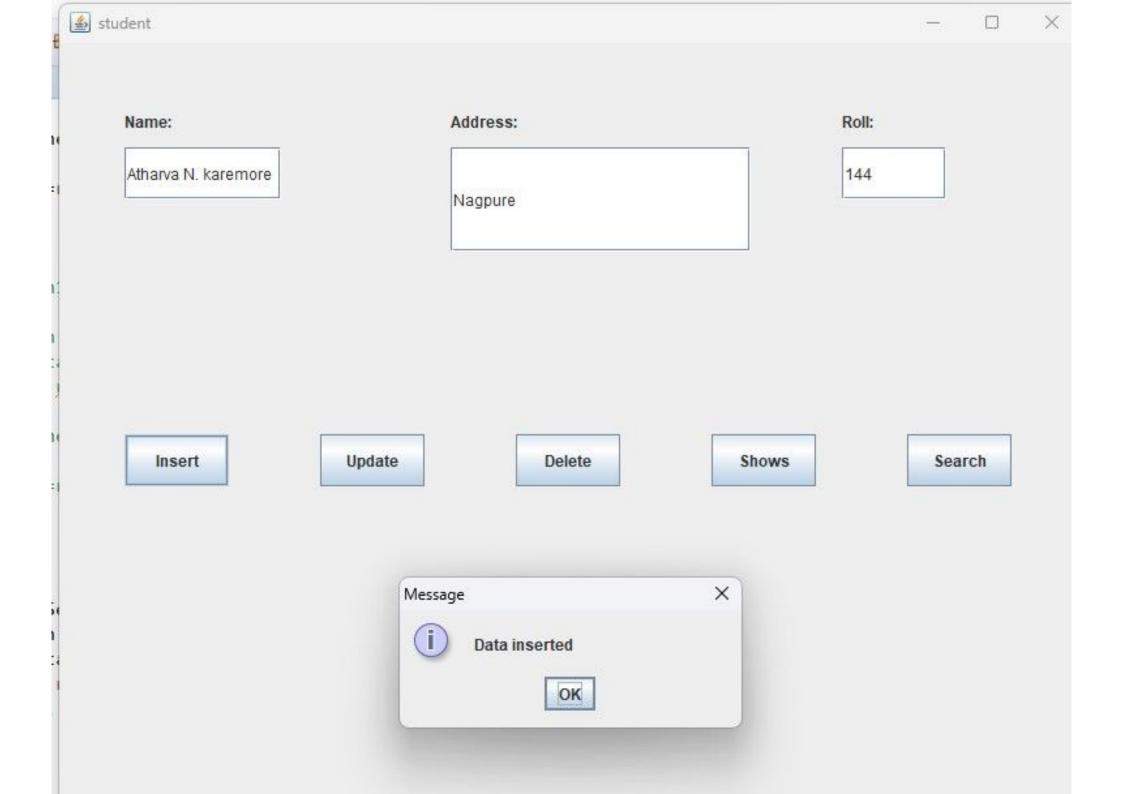




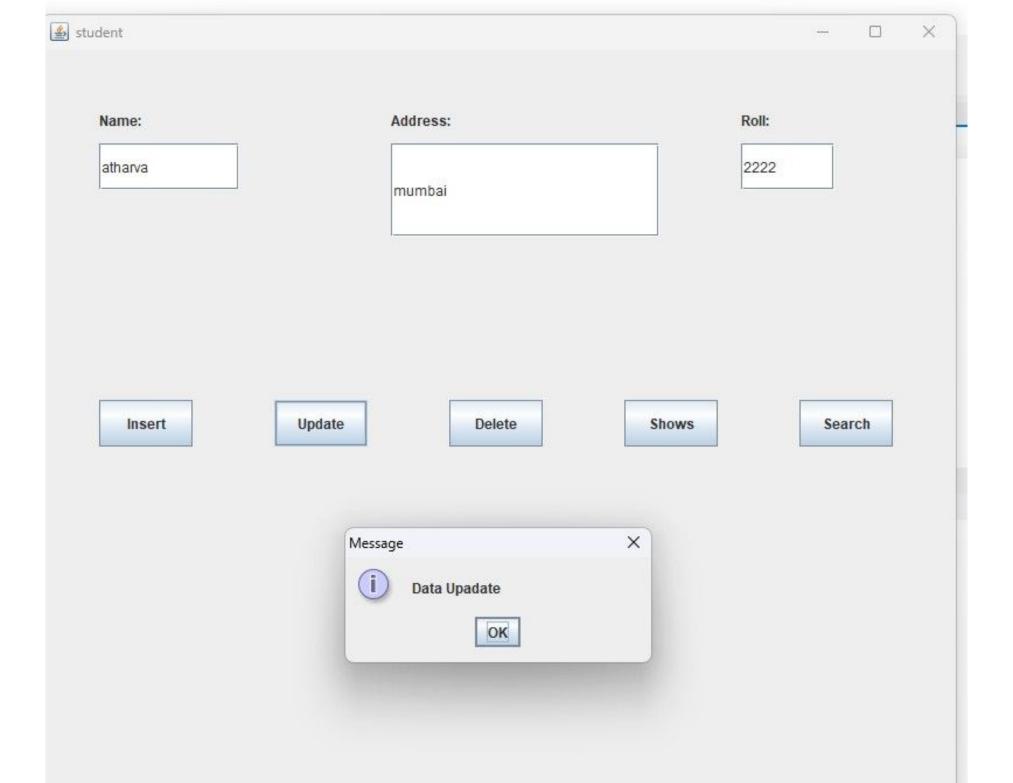




	roll	name	address	id
)	2	Bob Smith	456 Oak Ave, Springfield	2
	3	Charlie Brown	789 Pine St, Springfield	3
	4	Diana Prince	101 Maple St, Springfield	4
	5	Ethan Hunt	202 Birch St, Springfield	5
	8	Atharva	nagpure	6
	111	bbbb	bbbv	7
	11111	atharva	nagpur	9
	6	atharva karemore	nagpur	10
	23323	kkkkkk	jjnjnnjnjn	11
	2222	atharva karemore	nagpur	12
(22)	NULL	NULL	NULL	NULL



	roll	name	address	id
8	2	Bob Smith	456 Oak Ave, Springfield	2
	3	Charlie Brown	789 Pine St, Springfield	3
	4	Diana Prince	101 Maple St, Springfield	4
	5	Ethan Hunt	202 Birch St, Springfield	5
	8	Atharva	nagpure	6
	111	bbbb	bbbv	7
	11111	atharva	nagpur	9
	6	atharva karemore	nagpur	10
	23323	kkkkkkk	jjnjnnjnjn	11
	2222	atharva karemore	nagpur	12
	144	Atharva N. kare	Nagpure	13
	NULL	NULL	NULL	NULL



roll	name	address	id
2	Bob Smith	456 Oak Ave, Springfield	2
3	Charlie Brown	789 Pine St, Springfield	3
4	Diana Prince	101 Maple St, Springfield	4
5	Ethan Hunt	202 Birch St, Springfield	5
8	Atharva	nagpure	6
111	bbbb	bbbv	7
11111	atharva	nagpur	9
6	atharva karemore	nagpur	10
23323	kkkkkkk	jjnjnnjnjn	11
2222	atharva	mumbai	12
NULL	RUUTE	RULL	BUILD

		Searc

2	Bob Smith	456 Oak Ave, Springfield
3	Charlie Brown	789 Pine St, Springfield
4	Diana Prince	101 Maple St, Springfield
5	Ethan Hunt	202 Birch St, Springfield
3	Atharva	nagpure
111	bbbb	bbbv
11111	atharva	nagpur
6	atharva karemore	nagpur
23323	kkkkkk	jjnjnnjnjn
2222	atharva	mumbai
TOTAL CONTRACTOR OF THE PARTY O	Telephonologist (Control of the Control of the Cont	