

```
1 package com.company;
2
3 import javax.swing.*;
4 import java.awt.*;
5 import java.awt.event.ActionEvent;
6 import java.awt.event.ActionListener;
7 import java.sql.Connection;
8 import java.sql.DriverManager;
9 import java.sql.ResultSet;
10 import java.sql.Statement;
11 public class Main extends JFrame implements
    ActionListener
12 {
13     JTextField tname = new JTextField();
14     JTextField tage = new JTextField() ;
15     JTextField tplace = new JTextField() ;
16     JTextField troll = new JTextField();
17     JButton but;
18
19     Main()
20     {
21
22
23     }
24
25     void makingfield()
26     {
27         Main s = new Main();
28         JFrame frame = new JFrame("Student Details");
29         setLayout(new BorderLayout());
30         JPanel p = new JPanel();
31         JLabel ltitle = new JLabel("STUDENT DETAILS"
32 );
33
34         JLabel askroll = new JLabel("Enter the Roll
35 No of Student: ");
36         troll.setBounds(210, 45, 270, 40);
37         troll.setFont(new Font("Arial", Font.BOLD, 20
38 ));
39         troll.setEditable(true);
```

```

38         frame.add(troll);
39
40         but= new JButton("Submit");
41         but.setBounds(400,90,100,25);
42         frame.add(but);
43
44         but.addActionListener(this);
45
46         JLabel ln = new JLabel("  Name");
47         tname.setBounds(100, 150, 270, 40);
48         tname.setFont(new Font("Arial", Font.BOLD, 20
49     ));
50         tname.setEditable(false);
51         frame.add(tname);
52
53         JLabel la = new JLabel("  Age");
54         tage.setBounds(100, 270, 270, 40);
55         tage.setFont(new Font("Arial", Font.BOLD, 20
56     ));
57         tage.setEditable(false);
58         frame.add(tage);
59
60         JLabel lc = new JLabel("  City : ");
61         tplace.setBounds(100, 390, 270, 40);
62         tplace.setFont(new Font("Arial", Font.BOLD,
63     20));
64         tplace.setEditable(false);
65         frame.add(tplace);
66
67         frame.add(ltitle);
68         p.add(askroll);
69         p.add(ln);
70         p.add(la);
71         p.add(lc);
72         frame.add(p);
73         p.setLayout(new GridLayout(4,2));
74         frame.setSize(500,500);
75         //setVisible(true);
76         frame.show();
77     }
78     public void actionPerformed(ActionEvent e)

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```
76     {
77         int r=Integer.parseInt(troll.getText());
78         databasefn(r);
79     }
80
81
82
83     void databasefn(int rollnumber)
84     {
85         try
86         {
87             Class.forName("com.mysql.jdbc.Driver");
88             Connection con = DriverManager.
getConnection("jdbc:mysql://localhost:3306/data?
autoReconnect=true&useSSL=false","root","cngr");
89             Statement stmt = con.createStatement();
90             ResultSet rs = stmt.executeQuery("select
* from studentdetails where No =" +rollnumber);
91             while(rs.next())
92             {
93                 tname.setText(rs.getString(2));
94                 tage.setText(Integer.toString(rs.
getInt(3)));
95                 tplace.setText(rs.getString(4));
96             }
97         }
98         catch(Exception e)
99         {
100             System.out.println(e);
101         }
102     }
103
104
105
106
107
108     public static void main(String[] args)
109     {
110         Main s = new Main();
111         s.makingfield();
112     }
```

```
113 }
```

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114
```