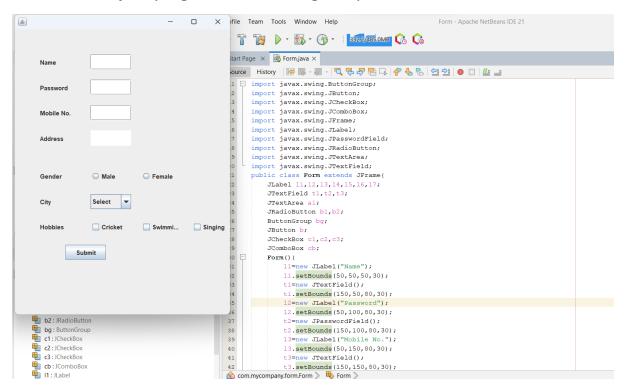
## **Practical 4: Swings**

a. Write a java program to create a frame using Inheritance in swing.

**b.** Write a java program to create a frame using Association in swing.

```
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                                                               GridLayout - Apache NetBeans IDE 21
                                                                                                           Q Search (Ctrl+
              ○ - 7 7 7 - 1 - 1 2239/4850ME ( ) ( )
              Start Page × GridLayout.java ×
                * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
                     package com.mycompany.gridlayout;
                 11 🗏 import javax.swing.JFrame;
                public
                               lass GridLayout {
                          GridLayout(){
                 14
15
16
17
18 -
19 =
21
22
23
                             JFrame f=new JFrame();
                              f.setSize(400,600);
f.setLayout(null);
                              f.setVisible(true);
                         public static void main(String[] args) {
                              GridLayout obj=new GridLayout();
```

c. Write a java program to add swing components on Frame.



```
Start Page × A Form.java ×
       Source
              t3=new JTextField();
41
42
              t3.setBounds(150,150,80,30);
43
              14=new JLabel("Address");
44
              14.setBounds(50,200,80,30);
45
              a1=new JTextArea();
              a1.setBounds(150,200,80,30);
46
              15=new JLabel("Gender");
47
             15.setBounds(50,275,80,30);
48
             bl=new JRadioButton("Male");
49
             b1.setBounds (150, 275, 80, 30);
50
             b2=new JRadioButton("Female");
51
             b2.setBounds(250,275,80,30);
52
             bg=new ButtonGroup();
53
             bg.add(b1);
54
             bg.add(b2);
55
              16=new JLabel("City");
56
57
              16.setBounds(50,325,80,30);
              String c[]={"Select", "Mumbai", "Pune", "Ratnagiri"};
58
59
              cb=new JComboBox(c);
              cb.setBounds (150, 325, 80, 30);
60
61
              17=new JLabel ("Hobbies");
62
              17.setBounds (50, 375, 80, 30);
63
              c1=new JCheckBox("Cricket");
64
              c1.setBounds(150,375,80,30);
65
              c2=new JCheckBox("Swimming");
66
              c2.setBounds(250,375,80,30);
67
              c3=new JCheckBox("Singing");
68
              c3.setBounds (350, 375, 80, 30);
69
             b=new JButton("Submit");
70
              b.setBounds (100, 425, 80, 30);
9
            add(11);
72
             add(t1);
```

```
Start Page × 🚳 Form.java ×
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Source
66
              c2.setBounds(250,375,80,30);
67
              c3=new JCheckBox("Singing");
68
              c3.setBounds (350, 375, 80, 30);
69
              b=new JButton("Submit");
70
              b.setBounds (100, 425, 80, 30);
71
             add(11);
             add(t1);
72
             add(12);
73
74
             add(t2);
75
             add(13);
             add(t3);
76
77
             add(14);
78
             add(a1);
79
             add(15);
80
             add(b1);
81
             add(16);
82
             add(b2);
83
             add(17);
84
             add(c1);
             add(c2);
85
86
             add(c3);
87
             add (b);
88
             add(cb);
89
             setSize(400,600);
90
             setLayout(null);
91
             setVisible(true);
92
93 📮
          public static void main(String[] args) {
<u>Q</u>
              Form obj = new Form();
95
96
```