

```

1 // GridBagLayout Example 1
2 // Date 1/Oct/2023
3
4 import java.awt.*;
5 import javax.swing.*;
6
7 public class GridBagLayoutEx1 extends JFrame
8 {
9
10     GridBagLayoutEx1()
11     {
12
13         Container cpane= getContentPane();
14         GridBagLayout gb = new GridBagLayout();
15         GridBagConstraints c1 = new GridBagConstraints();
16
17         c1.insets = new Insets(5,5,5,5);
18         c1.ipadx=10;
19         c1.ipady=10;
20
21         JPanel jp = new JPanel();
22         jp.setBackground(Color.pink);
23
24         Font f1 = new Font("Verdana", Font.PLAIN, 22);
25         Font f2 = new Font("Verdana", Font.PLAIN, 16);
26
27         JLabel lreg= new JLabel("Registration Form");
28         lreg.setFont(f1);
29
30         JLabel lname= new JLabel("Name");
31         lname.setFont(f2);
32
33         JLabel lmobile= new JLabel("Mobile");
34         lmobile.setFont(f2);
35
36         JLabel lemail= new JLabel("Email");
37         lemail.setFont(f2);
38
39         JLabel laddress= new JLabel("Address");
40         laddress.setFont(f2);
41
42
43         JTextField tname = new JTextField(20);
44         JTextField tmobile = new JTextField(20);
45         JTextField temail = new JTextField(20);
46         JTextArea taddress = new JTextArea(4,20);
47
48         JButton jsignup= new JButton("Sign Up");
49         jsignup.setBackground(Color.blue);
50
51         jsignup.setFont(f1);
52
53         /// setLayout method must be called before adding the components to JPanel
54         jp.setLayout(gb);
55
56
57         c1.gridx=0;c1.gridy=0;jp.add(lreg, c1);
58
59         c1.gridx=0;c1.gridy=1; jp.add(lname, c1);
60         c1.gridx=0;c1.gridy=2;jp.add(lmobile, c1);
61         c1.gridx=0;c1.gridy=3;jp.add(lemail, c1);
62         c1.gridx=0;c1.gridy=4;jp.add(laddress, c1);
63
64
65         c1.gridx=1;c1.gridy=1;jp.add(tname, c1);
66         c1.gridx=1;c1.gridy=2;jp.add(tmobile, c1);
67         c1.gridx=1;c1.gridy=3;jp.add(temail, c1);

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```
68         c1.gridx=1;c1.gridy=4;jp.add(taddress, c1);
69
70         c1.gridx=1;c1.gridy=5;jp.add(jsignup, c1);
71
72
73
74         cpane.add(jp);
75
76         setTitle("Grid Bag Layout Example ");
77         setSize(700,700);
78         setVisible(true);
79
80
81     }
82
83     public static void main(String args[])
84     {
85         GridBagLayoutEx1 obj = new GridBagLayoutEx1();
86     }
87 }
88
```