

```

1 // Demonstrating how JButton, FlowLayout, and JTextField
2 // can be accessible without your own development work,
3 // after the inheritance of JFrame.
4 import java.awt.*;
5 import java.awt.event.*;
6 import javax.swing.*;
7 import java.text.DecimalFormat;
8
9 public class Extend_action extends JFrame implements ActionListener {
10     private JButton button;
11     private FlowLayout layout;
12     private JTextField textField;
13
14     // set up GUI and event handling
15     public Extend_action()
16     {
17         super( "Interface Demo" );
18
19         layout = new FlowLayout( );
20
21         // get content pane and set its layout
22         Container container = getContentPane();
23         container.setLayout( layout );
24
25         // instantiate button objects
26         button = new JButton("Press the Button");
27         button.addActionListener( this );
28
29         textField = new JTextField( "", 20 );
30         textField.setEditable( false );
31
32
33         // place buttons in BorderLayout; order not important
34         container.add( button );
35         container.add( textField);
36
37         setSize( 300, 100);
38         setVisible( true );
39     } // end constructor BorderLayoutDemo
40
41     // handle button events
42     public void actionPerformed((ActionEvent event) )
43     {
44         String FirstNumber;
45         String SecondNumber;
46         int n1, n2, sum;
47
48         FirstNumber = JOptionPane.showInputDialog("Enter first integer");
49         SecondNumber = JOptionPane.showInputDialog("Enter second integer");
50         n1 = Integer.parseInt(FirstNumber);
51         n2 = Integer.parseInt(SecondNumber);
52         sum = n1 + n2;
53
54
55         DecimalFormat formatter = new DecimalFormat("#,##0.0");
56
57         textField.setText(formatter.format(sum));
58
59         // re-layout the content pane
60         layout.layoutContainer( getContentPane() );
61     }
62
63     public static void main( String args[] )
64     {
65         Extend_action application = new Extend_action();
66         application.setDefaultCloseOperation( JFrame.EXIT_ON_CLOSE );
67     }
68
69

```

70 }
71 /*****
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