

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
class SwingDemo {
    SwingDemo() {
        // create jframe container
        JFrame jfrm = new JFrame("Divider App");
        jfrm.setSize(275, 150);
        jfrm.setLayout(new FlowLayout());
        // to terminate on close
        jfrm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        // text label
        JLabel jlab = new JLabel("Enter the divider and dividend:");

        // add textfield for both numbers
        JTextField ajtf = new JTextField(8);
        JTextField bjtf = new JTextField(8);

        // calc button
        JButton button = new JButton("Calculate");

        // Labels
        JLabel cur = new JLabel();
        JLabel alab = new JLabel();
        JLabel blab = new JLabel();
        JLabel anslab = new JLabel();
    }
}
```


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// add in order

jfrm.add(evr); // to display error

jfrm.add(jlab);

jfrm.add(ajtf);

jfrm.add(bjtf);

jfrm.add(button);

jfrm.add(alab);

jfrm.add(blab);

jfrm.add(anslab);

ActionListener l = new ActionListener() {

public void actionPerformed(ActionEvent evt) {

S.O.pln("Action event from a text field");

}

};

ajtf.addActionListener(l);

bjtf.addActionListener(l);

button.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent evt) {

try {

int a = Integer.parseInt(ajtf.getText());

int b = Integer.parseInt(bjtf.getText());

int ans = a + b;

alab.setText("\nA = " + a);

blab.setText("\nB = " + b);

anslab.setText("\nAns = " + ans);

}

catch (ArithmeticException e) {

alab.setText("");

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```
blab.setText("");
anslab.setText("");
exm.setText("B should be NON zero!");
}
}
});
// display frame
jfrm.setVisible(true);
}

public static void main(String args[])
{
    // create frame on event dispatching thread
    SwingUtilities.invokeLater(new Runnable() {
        public void run() {
            new SwingDemo();
        }
    });
}
}
```