

```
# import javax.swing.*;  
import java.awt.*;  
import java.awt.event.*;
```

```
class SwingDemo {
```

```
{
```

```
JFrame jfwm = new JFrame ("Dividen APP");
```

```
jfwm.setSize (275, 150);
```

```
jfwm.setLayout (new FlowLayout());
```

```
jfwm.setDefaultCloseOperation
```

```
(JFrame.EXIT_ON_CLOSE);
```

```
JLabel jlab = new JLabel ("Enter divisor  
and dividend");
```

```
JTextField ajtf = new JTextField(8);
```

```
JTextField bjtf = new JTextField(8);
```

```
JButton button = new JButton ("calculate");
```

```
JLabel err = new JLabel();
```

```
JLabel alab = new JLabel();
```

```
JLabel blab = new JLabel();
```

```
JLabel anslab = new JLabel();
```

```
jfwm.add(err);
```

```
jfwm.add(jlab);
```

```
jfwm.add(ajtf);
```

```
jfwm.add(bjtf);
```

```
jfwm.add(button);
```

```
jfwm.add(alab);
```

```
jfwm.add(blab);
```

```
jfwm.add(anslab);
```

```
ActionListener l = new ActionListener() {
```

```
    public void actionPerformed(ActionEvent evt)
```

```
    { SOP("Action event from a text field");
```

```
    }
```

```
};
```

```
ajtf.addActionListener(l);
```

```
bjtf.addActionListener(l);
```

```
button.actionaddaddListener(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("A = " + a);
```

```
            blab.setText("B = " + b);
```

```
            anslab.setText("Ans = " + ans);
```

```
            err.setText("");
```

```
        }
```

```
        catch (NumberFormatException e)
```

```
        {
```

```
            alab.setText("");
```

```
            blab.setText("");
```

```
            anslab.setText("");
```

```
            err.setText("Enter only integer!");
```

```
        }
```

```
        catch (ArithmeticException e)
```

```
        {
```

```
            alab.setText("");
```

```
            blab.setText("");
```



```
ans1db.setText("");
```

```
err.setText("B should be non zero!");
```

```
}
```

```
}
```

```
});
```

```
ifem.setVisible(true);
```

```
}
```

PSVM

```
{ SOP: VSN: Name: }
```

```
SwingUtilities.invokeLater(new Runnable() {
```

```
{
```

```
public void run() {
```

```
{
```

```
new SwingDemo();
```

```
}
```

```
});
```

```
}
```

```
}
```

Output:

VSN: LBM23CS034

Name: Ananya N Gonda

Divide App

Enter divisor & dividend

25

5

calculate

A=25 B=5  
Ans=5