

```
import java.awt.event.*;
import java.awt.*;
```

```
class SampleDialog extends Dialog implements ActionListener {
    DivInt bld;
```

```
    SampleDialog(Frame parent, String title) {
```

```
        super(parent, title, false);
```

```
        bld = (DivInt) parent;
```

```
        setLayout(new FlowLayout());
```

```
        setSize(500, 200);
```

```
        add(new Label(bld.msg));
```

```
        Button b;
```

```
        add(b = new Button("OK"));
```

```
        b.addActionListener(this);
```

```
    }
    public void actionPerformed(ActionEvent ae) {
        dispose();
```

```
    }
}
```

```
public class DivInt extends Frame implements ActionListener {
```

```
    TextField num1, TextField num2;
```

```
    TextField num2Text Field;
```

```
    Button calculate;
```

```
    int a, b;
```

```
    float result;
```

```
    String msg = "Enter the numbers";
```

```
    public DivInt() {
```

```
        setLayout(new FlowLayout());
```

```
        calculate = new Button("Calculate");
```

```
        num1Text Field = new TextField(5);
```

```
        Label num1Label = new Label("Number 1", Label.RIGHT);
```

```
        num2Text Field = new TextField(5);
```

```
        Label num2Label = new Label("Number 2", Label.RIGHT);
```

```

add(num1Label);
add(num1TextField);
10 add(num2Label);
add(num2TextField);
add(calculate);
num1TextField.addActionListener(this);
num2TextField.addActionListener(this);
15 calculate.addActionListener(this);
addWindowListener(new MyWindowAdapter());
}

public void actionPerformed(ActionEvent ae) {
    try {
20 result = divideNumbers();
    msg = ("The result is " + result);
    } catch (NumberFormatException e) {
    msg = "Number is not Integer." + e;
    } catch (ArithmeticException e) {
25 msg = "Divide By zero not Allowed." + e;
    }

    SampleDialog d = new
    SampleDialog(this, "Dialog");
    d.setVisible(true);
30 }

public float divideNumbers() {
    a = Integer.parseInt(num1TextField.getText());
    b = Integer.parseInt(num2TextField.getText());

```



```
if(b==0){
```

```
    throw new ArithmeticException();
```

```
}
```

```
return (float) a/b;
```

```
}
```

```
public void paint(Graphics g) {
```

```
    g.drawString(msg, 50, 100);
```

```
}
```

```
public static void main(String args[]) {
```

```
    DivInt aa = new DivInt();
```

```
    aa.setSize(new Dimension(500, 500));
```

```
    aa.setTitle("DivInt");
```

```
    aa.setVisible(true);
```

```
}
```

```
}
```

```
class MyWindowAdapter extends WindowAdapter {
```

```
    public void windowClosing(WindowEvent we) {
```

```
        System.exit(0);
```

```
}
```

```
}
```