

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

```
public class lab extends Frame implements ActionListener {  
    TextField Num1, Num2;
```

```
    Button divide = new Button("DIVIDE");
```

```
    float result = 0;
```

```
    String msg = " ";
```

```
    Dialog d;
```

```
    public lab() {
```

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

```
        Num1 = new TextField(10);
```

```
        Num2 = new TextField(10);
```

```
        Label result = new Label("Num1:", Label.RIGHT);
```

```
        Label msg = new Label("Num2:", Label.RIGHT);
```

```
        add(new Label("Num1: "));
```

```
        add(Num1);
```

```
        add(new Label("Num2: "));
```

```
        add(Num2);
```

```
        add(divide);
```

```
        divide.addActionListener(this);
```

```
        addWindowListener(new WinAdapter());
```

```
    }
```

```
    public void actionPerformed(ActionEvent ae) {
```

```
        if (ae.getSource() == divide) {
```

```
            try {
```

```
                int n1 = Integer.parseInt(Num1.getText());
```

```
                int n2 = Integer.parseInt(Num2.getText());
```

```
                result = n1/n2;
```

```
            }
```

```

    catch (NumberFormatException) {
        dial d1 = new dial ("Number Format Exception");
        d1.setVisible (true);
    }
    catch (ArithmeticException exception) {
        dial d2 = new dial ("Arithmetic Exception");
        d2.setVisible (true);
    }
    repaint ();
}

public void paint (Graphics g) {
    g.drawString ("Result : " + String.valueOf (result), 20, 100);
}

public static void main (String [] args) {
    lab p = new lab ();
    p.setSize (new Dimension (350, 300));
    p.setTitle ("Divide");
    p.setVisible (true);
}

class dial extends Dialog implements ActionListener {
    dial (String str) {
        super (new Frame (), str, true);
        setLayout (new FlowLayout ());
        setSize (300, 200);
        addWindowListener (new WinAdapter ());
    }

    public void actionPerformed (ActionEvent ae) {
        setVisible (true);
    }
}

```



```
public void paint(Graphics g) {  
    g.drawString("Error!", 10, 70);  
}
```

```
}
```

```
class WinAdapter extends WindowAdapter {  
    public void windowClosing(WindowEvent we) {  
        System.exit(0);  
    }  
}
```

```
}
```