

```

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

class dia extends Dialog implements ActionListener {
    IntegerDivision id;
    dia(Frame parent, String title) {
        super(parent, title, false);
        id = (IntegerDivision) parent;
        setLayout(new FlowLayout());
        setSize(300, 300);
        add(new JLabel(id.msg));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }
    public void actionPerformed(ActionEvent ae) {
        dispose();
    }
}

```

```

public class IntegerDivision extends Frame implements ActionListener {
    TextField n1, n2, res;
    String msg = "";
    Label l1, l2, lres;
    Button b;

    public IntegerDivision() {
        setLayout(new FlowLayout());
        Label l1 = new Label("Number 1", Label.RIGHT);
    }
}

```

```
Label ln2 = new Label Label("Number 2", Label.Right);
```

```
Label res = new Label("Result", Label.Right);
```

```
n1 = new TextField(12);
```

```
n2 = new TextField(8);
```

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

```
b = new Button("Divide");
```

```
add(ln1);
```

```
add(n1);
```

```
add(ln2);
```

```
add(n2);
```

```
add(res);
```

```
add(b);
```

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

```
addWindowListener(new WindowAdapter() {
```

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

```
    {
```

```
        if(ae.getSource() == b)
```

```
        {
```

```
            int num1 = Integer.parseInt(n1.getText());
```

```
            int num2 = Integer.parseInt(n2.getText());
```

```
            int num3 = num1/num2;
```

```
            res.setText(String.valueOf(num3));
```

```
        } catch (NumberFormatException ne) {
```

```
            msg = "Number Format Exception";
```

```
            dia d = new dia(this, "Exception");
```

```
            d.setVisible(true);
```

```
        } catch (ArithmeticException a) {
```

```
            msg = "Arithmetic Exception";
```

```
            dia d = new dia(this, "Exception");
```



```
d.setVisible(true);
```

```
}  
}  
}
```

```
public static void main (String args)
```

```
{  
    IntegerDivision i = new IntegerDivision();
```

```
    i.setSize (new Dimension (300, 300));
```

```
    i.setTitle ("Integer Division of 2 numbers");
```

```
    i.setVisible (true);
```

```
}
```

```
class WindowAdapter1 extends WindowAdapter{  
    public void WindowClosing (Window Event e)
```

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

```
}
```

```
}  
}
```