

```
import java.awt.*;  
import java.awt.event.*;  
import javax.swing.*;  
  
class integerdivision extends JFrame implements ActionListener  
{  
    TextField n1, n2, res;  
    Label ln1, ln2, resl;  
    Button b;  
  
    public integerdivision() {  
        setLayout(new FlowLayout());  
        Label ln1 = new Label("Number 1", Label.RIGHT);  
        Label ln2 = new Label("Number 2", Label.RIGHT);  
        Label resl = 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(b);  
        add(resl);  
        add(res);  
    }  
}
```

```
add WindowListener (new WindowAdapter ());
```

```
}
```

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

```
{
```

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

```
    {
```

```
        try {
```

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

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

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

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

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

```
            JOptionPane.showMessageDialog (this, ne, "ERROR", JOptionPane.  
                ERROR_MESSAGE);
```

```
        }
```

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

```
            JOptionPane.showMessageDialog (this, a, "ERROR", JOptionPane.  
                ERROR_MESSAGE);
```

```
        }
```

```
    }
```

```
}
```

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

```
{
```

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

```
    i.setSize (new Dimension (400, 400));
```

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

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

```
}
```

class WindowAdapter : extends WindowAdapter {

public void windowClosing (WindowEvent we)

{

system.exit(0);

}

}

}

