

## Week 12

```
import java.awt.*;
import java.awt.event.*;
import java.swing.*;
public class Divison extends Frame implements ActionListener {
    TextField n1, n2, res;
    Label l1, l2, lres;
    Button b;
    public Divison () {
        setLayout (new FlowLayout ());
        Lable L1 = new Label ("Num1", Label. Right);
        Lable L2 = new Label ("Num2", Label. Right);
        Lable Lres = new Label ("Result", Label. Right);
        n1 = new TextField (12);
        n2 = new TextField (8);
        res = new TextField (10);
        b = new Button ("Divide");
        add (l1);
        add (n1);
        add (l2);
        add (n2);
        add (b);
        add (lres);
        add (res);
    }
}
```

```

b.addActionListener(this);
addWindowListener(new MyWindowAdapter());
}

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.
                ErrorMessage);
        }
        catch (ArithmeticException a) {
            JOptionPane.showMessageDialog(this, a, "Error", JOptionPane.
                ErrorMessage);
        }
    }
}

```

Run Debug

```
public static void main(String args[])
{
    Divison i = new Divison();
    i.setSize(new Dimension(400, 400));
    i.setTitle("Integer Divison of Two Numbers");
    i.setVisible(true);
}

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