

Week - 12

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

public class Prog1 extends Frame implements ActionListener {
    TextField Num1, Num2;
    Button divide = new Button("Divide");
    float res = 0;
    String error = " ";
    public Prog1() {
        setLayout(new FlowLayout());
        Num1 = new TextField(1);
        Num2 = new TextField(1);
        Label Num1L = new Label("Num1:", Label.RIGHT);
        Label Num2L = new Label("Num2:", Label.RIGHT);
        add(Num1L);
        add(Num1);
        add(Num2L);
        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());
                res = (float) n1 / n2;
            } catch (NumberFormatException exception) {
```



```

res=0;
error="Entered number is not an integer.";
} catch (ArithmeticException exception) {
res=0;
error="You tried to divide by zero.";
}
repaint();
}

```

```

public void paint(Graphics g) {
g.drawString("Result:" + String.valueOf(res), 20, 100);
g.drawString("Error:" + error, 20, 150);
}

```

```

public static void main(String[] args) {
Prog1 p = new Prog1();
p.setSize(new Dimension(400, 250));
p.setTitle("Divide");
p.setVisible(true);
}
}

```

```

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

```