

WEEK 12
LAB PROGRAM 10

```
import javax.swing.*;
import javax.swing.event.*;
public class Prac extends JFrame implements ActionListener {
    Dialog d;
    TextField t1, t2, t3;
    Button comp;
    public Prac() {
        setLayout(new FlowLayout());
        setSize(500, 500);
        t1 = new TextField(10);
        t2 = new TextField(10);
        t3 = new TextField(10);
        comp = new Button("Compute");
        add(new Label("Enter num 1: "));
        add(t1);
        add(new Label("Enter num 2: "));
        add(t2);
        add(new Label("Result: "));
        add(t3);
        add(comp);
        comp.addActionListener(this);
        setVisible(true);
        addWindowListener(new WindowAdapter() {
            public void windowClosing(WindowEvent we) {
                System.exit(0);
            }
        });
    }
}
```

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

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

```
        try {
```

```
            t3.setText(Integer.toString(Integer.parseInt(t1.getText().trim()) /  
                Integer.parseInt(t2.getText().trim())));
```

```
        } catch (ArithmeticException e) {
```

```
            Dia d1 = new Dia("Arithmetic Exception");
```

```
            d1.setVisible(true);
```

```
        }
```

```
        catch (NumberFormatException e) {
```

```
            Dia d2 = new Dia("Number Format Exception");
```

```
            d2.setVisible(true);
```

```
        }
```

```
    }
```

```
}
```

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

```
    new Dia();
```

```
}
```

```
}
```

```
class Dia extends Dialog implements ActionListener {
```

```
    Button cancel;
```

```
    Dia (String str) {
```

```
        super (new Frame(), str, true);
```

```
        cancel = new Button ("Cancel");
```

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

```
        setSize (300, 200);
```

```
        add (new Label ("Press the Button"));
```

```
        add (cancel);
```

```
        cancel.addActionListener (this);
```

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

```
            public void windowClosing (WindowEvent we) {
```

system.out.println(0);

}

3);

}

~~public~~ public void actionPerformed(ActionEvent e) {
setVisible(true);

}

public void paint(Graphics g) {

g.drawString("Error!", 10, 70);

}

}