

## LAB Prog 10

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

```
public class Main extends Frame implements ActionListener {
```

```
    TextField t1, t2;
```

```
    String msg = "4";
```

```
    Button btn;
```

```
    main() {
```

```
        Label l1 = new Label("First Number : 4",  
                               Label.RIGHT);
```

```
        t1 = new TextField(10);
```

```
        Label l2 = new Label("Second Number : 4",  
                               Label.RIGHT);
```

```
        t2 = new TextField(10);
```

```
        btn = new Button("Submit")
```

```
        this.add(l1);
```

```
        this.add(t1);
```

```
        this.add(l2);
```

```
        this.add(t2);
```

```
        this.add(btn, BorderLayout.CENTER);
```

```
        this.setVisible(true);
```

```
        this.setSize(600, 300);
```

```
        this.setLayout(new FlowLayout(FlowLayout.  
                                         CENTER,  
                                         20, 10));
```

```
        btn.addActionListener(this);
```

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

```
            setBackground(Color.BLACK);
```

```
        }  
    }  
    @ override
```



```

public Insets getInsets() {
    return new Insets(50, 10, 10, 20);
}

@Override
public void actionPerformed (ActionEvent e) {
    String st1 = t1.getText();
    String st2 = t2.getText();
    n1 = 0.0;
    n2 = 0.0;
    if (st1.equals("") || st2.equals("")) {
        msg = "You cannot leave the text elements blank";
    } else {
        try {
            n1 = Double.parseDouble(st1);
            n2 = Double.parseDouble(st2);
        } catch (ArithmeticException e1) {
            msg = e1.toString();
        }
        try {
            double res = n1 / n2;
            msg = "Result of division: " + res;
        } catch (NumberFormatException e2) {
            msg = "Enter only nos & not other characters";
        }
    }
    new MyDialog(this, "ResultDialog", false, msg, n1, n2);
}

public static void main (String[] args) {
    new Main();
}

```



```

class mydialog extends Dialog implements ActionListener {
    public mydialog (Frame owner, String title, boolean modal,
                    String msg, double n1, double n2) {
        super (owner, title, modal);
        this.setVisible (true);
        this.setSize (300, 400);
        this.setLayout (new FlowLayout());
        this.add (new Label ("First Number: " + n1));
        this.add (new Label ("Second Number: " + n2));
        this.add (new Label (msg));
        Button b = new Button ("Close");
        this.add (b);
        b.addActionListener (this);
        this.addWindowListener (new WindowAdapter () {
            public void windowClosing (WindowEvent e) {
                dispose();
            }
        });
    }
}

```

```

    @Override
    public void actionPerformed (ActionEvent e) {
        dispose();
    }
}

```

```

class myWindow extends WindowAdapter {
    public void windowClosing (WindowEvent e) {
        System.exit(0);
    }
}

```