

## Week-12- Lab program-10

```
import java.awt.*;
import java.awt.event.*;
public class Vop10 extends Frame implements
    ActionListener
{
    Button b;
    TextField n1, n2, r;
    public Vop10()
    {
        setLayout(new FlowLayout());
        b = new Button("Divide");
        Label num1 = new Label("Num1: ", Label.RIGHT);
        n1 = new TextField(10);
        add(num1);
        add(n1);
        Label num2 = new Label("Num2: ", Label.RIGHT);
        n2 = new TextField(10);
        add(num2);
        add(n2);
        Label res = new Label("Result: ", Label.RIGHT);
        r = new TextField(20);
        add(res);
        add(r);
        add(b);
        b.addActionListener(this);
        addWindowListener(new MyWindowAdapter());
    }
    public void actionPerformed(ActionEvent ae)
    {
        int i=0; j=0;
        try {
            i = Integer.parseInt(n1.getText());
            j = Integer.parseInt(n2.getText());
        }
    }
}
```

```

catch (NumberFormatException e)
{
    s = "Number Format Exception";
    r.setText("");
    DialogBox db = new DialogBox(this, "Dialog", s);
    db.setVisible(true);
    return;
}
try
{
    if (j == 0)
        throw new ArithmeticException();
    double q = (double)i/j;
    s = Double.toString(q);
    r.setText(s);
}

```

```

catch (ArithmeticException e)
{
    s = "Arithmetic Exception Exception";
    r.setText("");
    DialogBox db = new DialogBox(this, "Dialog", s);
    db.setVisible(true);
}

```

```

}
{
    public static void main(String args[])
    {
        oop10 appwin = new oop10();
        appwin.setSize(new Dimension(380, 180));
        appwin.setTitle("Division");
        appwin.setVisible(true);
    }
}

```

```

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

```

class DialogBox extends Dialog

{

DialogBox(Frame parent, String title, String s)

{

super(parent, title, false);

setLayout(new FlowLayout());

setSize(300, 200);

add(new Label(s));

Button b;

add(b = new Button("OK"));

b.addActionListener(lae) → dispose();

addWindowListener(new WindowAdapter(){

public void windowClosing(WindowEvent  
we) { dispose();

};

});