

Lab-10

```
import java.awt.*;  
import java.awt.event.*;  
public class ooplo extends Frame implements  
ActionListener
```

```
{
```

```
    Button b;
```

```
    TextField n1, n2, r;
```

```
    String s;
```

```
    public ooplo()
```

```
{
```

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

```
    b = new Button("Divide");
```

```
    Label numb1 = new Label("Num1: " Label.RIGHT)
```

```
    n1 = new TextField(10);
```

```
    add(numb1);
```

```
    add(n1);
```

```
    Label numb2 = new Label("Num2: " Label.RIGHT)
```

```
    n2 = new TextField(10);
```

```
    add(numb2);
```

```
    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";
        n.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);
        n.setText(s);
    }

```

```

    catch(ArithmeticExe
    catch(ArithmeticException e)
    {

```

```

        s = "Arithmetic Exception";

```

```

        n.setText("");
    }

```



```

DialogBox db = new DialogBox(this, "Dialog", s);
db.setVisible(true);

```

```

}

public static void main(String args[])
{

```

```

    Oplo appwin = new Oplo();
    appwin.setSize(new Dimension(380, 180));
    appwin.setTitle("Visible");
    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();
    }
});
}

```