

LAB 10- Division AWT

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3-D

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

class SampleDialog extends Dialog implements ActionListener {
    division bld;

    SampleDialog(Frame parent, String title) {

        super(parent, title, false);
        bld=(division)parent;
        setLayout(new FlowLayout());
        setSize(300, 200);
        add(new Label(bld.msg1));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }

    public void actionPerformed(ActionEvent ae) {
        dispose();
    }

}
```

public class division extends Frame implements ActionListener

{

 TextField num1,num2,result;

 String msg="",msg1="";

 Button divide;

 public division()

 {

 setLayout(new FlowLayout());

 Label nnum1=new Label("Num1: ",Label.RIGHT);

 Label nnum2=new Label("Num2: ",Label.RIGHT);

 Label rresult=new Label("Result: ",Label.RIGHT);

 Button b=new Button("divide");

 num1=new TextField(8);

 num2=new TextField(8);

 result=new TextField(8);

 add(nnum1);

 add(num1);

 add(nnum2);

 add(num2);

 divide=(Button)add(b);

 add(rresult);

 add(result);

 num1.addActionListener(this);

```

num2.addActionListener(this);
divide.addActionListener(this);

addWindowListener(new WindowAdapter()
{
    public void windowClosing(WindowEvent we)
    {
        System.exit(0);
    }
});
}
public void actionPerformed(ActionEvent ae)
{
    if(ae.getSource()==divide)
    {
        try
        {
            msg="" + Integer.parseInt(num1.getText())/Integer.parseInt(num2.getText());

            String c="" + msg;
            result.setText(c);
            msg1="";

        }catch(NumberFormatException e)
        {
            msg1="Entered number is not an integer "+e;
            SampleDialog d = new SampleDialog(this, "Dialog");
            d.setVisible(true);

        }
    }
}

```

```

        catch(ArithmeticException e)
        {
            msg1="number 2 is zero "+e;
            SampleDialog d = new SampleDialog(this, "Dialog");
            d.setVisible(true);

        }
    }
}

public static void main(String[] args)
{
    lab12 aa=new lab12();
    aa.setSize(new Dimension(400,200));
    aa.setTitle("divide_awt");
    aa.setVisible(true);
}
}

```

