

```

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

class SampleDialog extends Dialog implements ActionListener {
    lab12 bld;
    SampleDialog(Frame parent, String title) {
        super(parent, title, false);
        bld=(lab12)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 lab12 extends Frame implements ActionListener
{
    TextField num1,num2,result;

    String msg="",msg1="";
    Button divide;
    public lab12()
    {
        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)

```

```
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);
}
}
```



divide_awt

Num1:

4

Num2:

4

divide

Result:

1

divide_awt

Num1: Num2:

Result:

Dialog

number 2 is zero java.lang.ArithmeticException: / by zero

divide_awt

Num1: Num2:

Result:

Dialog

Entered number is not an integer java.lang.NumberFormatException: For input string: "ee"