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18M19CS194

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


class SampleDialog extends Dialog implements ActionListener {
    divide bld;
    SampleDialog (Frame parent, String title) {
        super (parent, title, false);
        bld = (divide) parent
        setLayout (new FlowLayout ());
        setSize (300, 200);
        add (new Label (bld. msg));
        button b;
        add (b = new Button ("OK"));
        b. addActionListener (this);
    }
    public void actionPerformed (ActionEvent ae) {
        dispose ();
    }
}

public class divide extends Frame implements ActionListener
{
    TextField num1, num2, result;
    {

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

```java
setLayout (new  FlowLayout ());
Label num1 = 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);
nwm2 = new   TextField (8);
result = new   TextField (8);


add (nnum1);
add (num1);
add (num2);
divide = (Button )add (b);
add (result);
add (result);


num1. addAction Listener (this);
num2. addAction Listener (this);
divide. addAction Listener (this);


addWindow Listener (new WindowAdapter ()
{
    public void windowClosing (WindowEvent we)
    {
        System.exit(0);
    }
});
}
public void actionPerformed (ActionEvent ae)
{
```

```java
if (ae.getSource() == divide)
{
    try
    {
        msg="" + Integer.parseInt(num1.getText()) / Integer.parse
int (num2.getText());
                String c = "" + msg;
                result.setText(c);
                msg1="";
    } catch (NumberFormatException e)
    {
        msg1 =" Entered number is not an integer " +e;
Sample Dialog d= new Sample Dialog (this, "Dialog" );
                d.setVisible (true);
    }

        catch (ArithmeticException e)
{
    msg1 =" Entered Number 2 is zero " +e;
Sample Dialog d = new Sample Dialog (this, "Dialog" );
            d.setVisible (true);
        }
    }
}

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