

Let

```
import java.awt.event.*;
import java.awt.*;
class SampleDialog extends Dialog implements
    ActionListener { ButtonList bl;
    SampleDialog(Frame parent, String title) {
        super(parent, title, false);
        bl = (ButtonList) parent;
        setLayout(new FlowLayout());
        setSize(500, 500);
        add(new Label(bl.msg));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }
    public void actionPerformed(ActionEvent e) {
        dispose();
    }
}

public class ButtonList extends Frame
    implements ActionListener {
    TextField num1, Text field;
    TextField num2, Text field;
    Button calculate;
    Dialog d;
    int a, b;
    float result;
```


String msg = "Enter the numbers";
public ButtonListener() {
 setLayout(new FlowLayout());
 calculate = new Button("calculate");

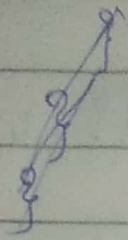
setLayout(new FlowLayout());
 calculate = new Button("calculate");
 num1TextField = new TextField(5);
 label num1 label = new Label("Number 1",
 Label.RIGHT);
 num2TextField = new TextField(5);
 label num2 label = new Label("Number 2",
 Label.RIGHT);
 add (num1 label);
 add (num1 TextField);
 add (num2 label);
 add (num2 TextField);
 add (calculate);
 num1TextField.addActionListener(this);
 num2TextField.addActionListener(this);
 calculate.addActionListener(this);
 addWindowListener (new MyWindowAdapter
 ());
}

```

public void actionPerformed (ActionEvent ae) {
    for (int i = 0; i < 3; i++) {
        if (ae.getSource() == calculate) {
            try {
                result = divideNumbers();
                msg = ("The result is " + result);
            } catch (NumberFormatException e) {
                msg = "Number is not Integer." + e;
            } catch (ArithmeticException e) {
                msg = "Divide By zero not Allowed." + e;
            }
        }
    }
}

SampleDialog d = new

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SampleDialog d = new
SampleDialog (this, " Dialog");
d. setVisible (true);
public float divideNumbers() {
    a = Integer.parseInt (num1Text Field.
    get Text ());
    b = Integer.parseInt (num2 Text Field.
    get Text ());
    if (b = 0) {
        throw new ArithmeticException ();
    }
    return (float) a/b;
}
public void paint (Graphics g) {
    g. drawString (msg, 50, 100);
}
public static void main (String args[]) {
    ButtonList bl = new ButtonList ();
    aa. set size (new Dimension (500, 500));
    aa. set title (" Button List ");
    aa. setVisible (true);
}

```



```
}  
class MyWindowAdapter extends Window  
- Adapter {  
    public void windowClosing(WindowEvent we)  
        System.exit(0);  
    }  
}
```