

→ Lab Program 10 -

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

```
class MyDialog extends Dialog &  
Button bl;
```

```
private String msg1;
```

```
MyDialog(Frame parent, String title, boolean  
mode, String msg1) &
```

```
super(parent, title, mode);
```

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

```
setSize(300, 300);
```

```
this.msg1 = msg1;
```

```
bl = new Button("Close");
```

```
add(bl);
```

```
bl.addActionListener((ae) -> dispose());
```

```
addWindowListener(new WindowAdapter() &  
public void windowClosing(WindowEvent we)  
dispose();
```

```
}
```

```
});
```

```
}
```

```
public void paint(Graphics g) &
```

```
g.drawString(msg1, 30, 80);
```

```
}
```

```
}
```

```
public class Lab10 extends Frame implements ActionListener &  
String msg = "";
```

```
TextField num1, num2, res;
```

```
Button division;
```

```
public Lab10() &
```

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

```

Label number1 = new Label("NUMBER1:");
num1 = new TextField(10);
Label number2 = new Label("NUMBER2:");
num2 = new TextField(10);
division = new Button("/");
Label result = new Label("RESULT:");
res = new TextField(10);
add(number1);
add(num1);
add(number2);
add(num2);
add(division);
add(result);
add(res);
num1.addActionListener(this);
num2.addActionListener(this);
division.addActionListener(this);
res.addActionListener(this);
addWindowListener(new WindowAdapter());
}

```

```

public void actionPerformed(ActionEvent e) {
    double c;
}

```

```

try {

```

```

    int no1 = Integer.parseInt(num1.getText());
    int no2 = Integer.parseInt(num2.getText());
    c = no1 / no2;

```

```

    res.setText(String.valueOf(c));
}

```

```

catch (ArithmeticException ex2) {
    new MyDialog(this, "error", true, "" + ex2);
    setVisible(true);
}

```

```

catch (NumberFormatException ex1) {
    new MyDialog(this, "error", true, "" + ex1);
    setVisible(true);
}
}
}

```

```

public static void main (String args[]) {
    Lab10 b = new Lab10();
    b.setSize(new Dimension(2000, 3000));
    b.setTitle("Lab 10");
    b.setVisible("true");
}

```

```

}

class MyWindowAdapter extends WindowAdapter {
    public void windowClosing(WindowEvent e) {
        System.exit(0);
    }
}

```

3 3

```

1 import java.awt.*;
2 import java.awt.event.*;
3
4 class MyDiaolg extends Dialog {
5     Button bl;
6     private String msg1;
7     MyDiaolg(Frame parent, String title, boolean mode, String msg1){
8         super(parent, title, mode);
9         setLayout(new FlowLayout());
10        setSize(300,300);
11        this.msg1 = msg1;
12
13        bl = new Button("Close");
14        add(bl);
15        bl.addActionListener((ae)-> dispose());
16        addWindowListener(new WindowAdapter() {
17            public void windowClosing(WindowEvent we) {
18                dispose();
19            }
20        });
21    }
22    public void paint(Graphics g) {
23        g.drawString(msg1, 30, 80);
24    }
25 }
26
27 public class lab10 extends Frame implements ActionListener{
28     String msg="";
29     TextField num1,num2,res;
30     Button division;
31     public lab10(){
32         setLayout(new FlowLayout());
33         Label number1 = new Label("NUMBER1:");
34         num1 = new TextField(10);
35         Label number2 = new Label("NUMBER2:");
36         num2 = new TextField(10);
37         division = new Button("\\");
38         Label result = new Label("RESULT:");
39         res = new TextField(10);
40         add(number1);

```

```

40 add(number1);
41 add(num1);
42 add(number2);
43 add(num2);
44 add(division);
45 add(result);
46 add(res);
47 num1.addActionListener(this);
48 num2.addActionListener(this);
49 division.addActionListener(this);
50 res.addActionListener(this);
51 addWindowListener(new MywindowAdapter());
52 }
53 public void actionPerformed(ActionEvent e){
54     double c;
55     try{
56         int no1 = Integer.parseInt(num1.getText());
57         int no2 = Integer.parseInt( num2.getText());
58         c = no1/no2;
59         res.setText(String.valueOf(c));
60     } catch(ArithmeticException ex2){
61         new MyDialoq(this,"error",true,""+ex2).setVisible(true);
62     }
63     catch(NumberFormatException ex1){
64         new MyDialoq(this,"error",true,""+ex1).setVisible(true);
65     }
66 }
67 }
68 public static void main(String args[])
69 {
70     lab10 b=new lab10();
71     b.setSize(new Dimension(2000,3000));
72     b.setTitle("Lab 10");
73     b.setVisible(true);
74 }
75 }
76 class MywindowAdapter extends WindowAdapter{
77     public void windowClosing(WindowEvent we){
78         System.exit(0);
79     }}

```



Lab 10



NUMBER1:

10

NUMBER2:

5



RESULT:

2.0



