

23/01/2021

## LAB-10

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

```
class MyDialog extends Dialog implements ActionListener {
```

```
    Div bld;
```

```
    MyDialog(Frame parent, String Title) {
```

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

```
        bld = (Div) parent;
```

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

```
        set Size (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 Div extends Frame implements ActionListener {
```

```
    TextField num1, num2, result;
```

```
    String msg = "", msg1 " ";
```

```
    Button divide;
```

```
    public Div() {
```

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

```
        Label pnum1 = new Label("Num1: ", Label.RIGHT);
```

```
Label pnum2 = new Label("Num2:", Label.RIGHT);  
Label presult = new Label("Result:", Label.RIGHT);  
Button b = new Button("Divide");
```

```
num1 = new TextField(8);  
num2 = new TextField(8);  
result = new TextField(8);
```

```
add(pnum1);  
add(num1);  
add(pnum2);  
add(num2);  
divide = (Button)add(b);  
add(presult);  
add(result);
```

```
num1.addActionListener(this);  
num2.addActionListener(this);  
divide.addActionListener(this);
```

```
add WindowListener(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());
```

13/07/2021

```
String c = " ";
result.setText(c);
msg1 = " ";
} catch (NumberFormatException e) {
    msg1 = "Entered number is not an Integer";
    MyDialog d = new MyDialog(this, "Dialog");
    d.setVisible(true);
} catch (ArithmeticException e) {
    msg1 = "Number 2 is zero";
    MyDialog d = new new MyDialog(this, "Dialog");
    d.setVisible(true);
}
}
}
```

```
public static void main (String args []) {
```

```
    Div app = new Div();
```

```
    app.setSize(new Dimension(400, 200));
    app.setTitle("Lab 10");
    app.setVisible(true);
```