

## Lab program - 10

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

```
class Division1 extends Frame implements ActionListener {
```

```
    Frame f;  
    TextField tf1;  
    TextField tf2;  
    TextField tf3;  
    Button b;  
    Dialog d1;
```

```
    Division1() {
```

```
        setSize(300, 300);  
        setVisible(true);  
        setLayout(null);
```

```
        addWindowListener(new WindowAdapter() {  
            public void windowClosing(WindowEvent e) {  
                dispose();  
            }  
        });
```

```
        tf1 = new TextField("Number1");  
        tf1.setBounds(10, 70, 200, 30);  
        add(tf1);
```

```
        b = new Button("/");  
        b.setBounds(10, 110, 200, 30);
```

```
b.addActionListener(this);  
add(b);
```

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```
tf3 = new TextField("Output");  
tf3.setBounds(10, 150, 200, 30);  
add(tf3);  
}
```

```
public void actionPerformed(ActionEvent e) {
```

```
try {
```

```
String num1 = tf1.getText();
```

```
int n1 = Integer.parseInt(num1);
```

```
String num2 = tf2.getText();
```

```
int n2 = Integer.parseInt(num2);
```

```
int result = n1/n2;
```

```
tf3.setText(Integer.toString(result));
```

```
}
```

```
catch (NumberFormatException e2) {
```

```
d1 = new Dialog(f, "error", true);
```

```
Label l = new Label(" " + e2);
```

```
d1.add(l);
```

```
d1.setSize(300, 50);
```

```
d1.setVisible(true);
```

```
}
```

```
catch (ArithmeticException e1) {
```

```
d1 = new Dialog(f, "error", true);
```

```
Label l = new Label(" " + e1);
```

```
d1.add(l);
```

```
d1.setSize(300, 50);
```

```
d1.setVisible(true);
```

```
} }
```



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```
public class Labprog10 {  
    public static void main(String[] args) {  
        Diversion1 d = new Diversion1();  
    }  
}
```