



Lab program - 10.

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

```
public class Calc extends Frame implements ActionListener
```

```
{  
    TextField num1, num2;
```

```
    Label l;
```

```
    Button n;
```

```
    Calc() {
```

```
        num1 = new TextField();
```

```
        num1.setBounds(50, 50, 200, 25);
```

```
        num2 = new TextField();
```

```
        num2.setBounds(50, 100, 200, 25);
```

```
        l = new Label();
```

```
        l.setBounds(50, 150, 300, 50);
```

```
        n = new Button("Divide");
```

```
        n.setBounds(50, 200, 100, 50);
```

```
        n.addActionListener(this);
```

```
        add(n);
```

```
        add(num1);
```

```
        add(num2);
```

```
        add(l);
```

```
        setSize(800, 800);
```

```
        setLayout(null);
```

```
        setVisible(true);
```

```
    }
```



```
addWindowListener (new WindowAdapter() {  
    public void windowClosing (WindowEvent e) {  
        frame.dispose();  
        System.exit(0);  
    }  
})
```

```
{
```

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

```
        String n1 = num1.getText();
```

```
        String n2 = num2.getText();
```

```
        JLabel l.setText("Quotient : " + (Integer.  
            parseInt(n1) / Integer.parseInt(n2)));  
    }  
}
```

```
catch (NumberFormatException ne) {
```

```
    JLabel l.setText("cannot divide non integer values");  
}
```

```
catch (ArithmeticException ae) {
```

```
    JLabel l.setText("cannot divide");  
}
```

```
catch (Exception ex) {
```

```
    System.out.println(ex);  
}
```

```
}
```

```
public static void main (String[] args) {  
    new Lab10();  
}
```

```
}
```