

Week-13Lab Program-10

```
import java.awt.*;  
import java.awt.event.*;  
import javax.swing.*;  
public class IntegerDivision extends JFrame  
implements ActionListener {  
    TextField n1, n2, res;  
    Label ln1, ln2, lres;  
    Button b;  
    public IntegerDivision() {  
        setLayout (new FlowLayout());  
        Label ln1 = new Label ("Number 1", Label.RIGHT);  
        Label ln2 = new Label ("NUMBER 2", Label.RIGHT);  
        Label lres = new Label ("RESULT", Label.RIGHT);  
        n1 = new TextField (12);  
        n2 = new TextField (8);  
        res = new TextField (10);  
        b = new Button ("DIVIDE");  
        add (ln1);  
        add (n1);  
        add (ln2);  
        add (n2);  
        add (lres);  
        add (res);  
        b.addActionListener (this);  
        add WindowListener (new WindowAdapter() {  
            .. public void action performed (ActionEvent ae)  
            {  
                // ...  
            }  
        });  
    }  
}
```

```
if (ae.getSource() == b)
{
```

```
try {
```

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

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

```
int num3 = num1/num2;
```

```
res.setText("String value of (num3)");
```

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

```
JOptionPane.showMessageDialog(this, ne,
    "Error", JOptionPane.ERROR_MESSAGE);
```

```
}
```

```
catch (ArithmeticException a) {
```

```
JOptionPane.showMessageDialog(this, a, "Error",
```

```
JOptionPane.ERROR_MESSAGE);
```

```
}
```

```
}
```

```
}
```

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

```
{
```

```
IntegerDivision i = new IntegerDivision();
```

```
i.setSize(new Dimension(400, 400));
```

```
i.setTitle("Integer Division of Two Numbers");
```

```
i.setVisible(true);
```

```
}
```

```
class WindowAdapter1 extends WindowAdapter {
```

```
public void windowClosing (WindowEvent we)
```

```
{
```

```
System.exit(0);
```

```
}
```

```
}
```

```
}
```