

## Lab 10

AWT



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

```
public class IntegerDivision extends Frame  
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 (n1);
add (n2);
add (b);
add (res);
add (res);
b.addActionListener (new Window
-Adapter 1());
}

```

```

public void actionPerformed (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.valueOf(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 Window  
Adapter {
```

```
Public void windowClosing (WindowEvent we)
```

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

```
}
```

```
}
```