

```
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(b);
        add(lres);
        add(res);
    }
}
```

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

```
addWindowListener(new WindowAdapter() {
```

```
}
```

```
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);
```

```
}
```

Name of the Experiment :

Date :

Experiment No. :

Page No. :

```
class WindowAdapter1 extends WindowAdapter {  
    public void WindowClosing (WindowEvent we) {  
        System.exit(0);  
    }  
}
```

}

}