

C:\Users\Aruna Ravi\integerdivision.java - Notepad++

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MultiThreadDemo.java Thread2.java integerdivision.java

```
21         add(b);
22         add(lres);
23         add(res);
24         b.addActionListener(this);
25     addWindowListener(new WindowAdapter1());
26 }
27 public void actionPerformed(ActionEvent ae)
28 {
29     if(ae.getSource()==b)
30     {
31         try{
32             int num1=Integer.parseInt(n1.getText());
33             int num2=Integer.parseInt(n2.getText());
34             int num3=num1/num2;
35             res.setText(String.valueOf(num3));
36         }catch(NumberFormatException ne){
37             JOptionPane.showMessageDialog(this,ne,"ERROR",JOptionPane.ERROR_MESSAGE);
38         }
39         catch(ArithmeticException a){
40             JOptionPane.showMessageDialog(this,a,"ERROR",JOptionPane.ERROR_MESSAGE);
41         }
42     }
43 }
44 public static void main(String args[])
45 {
46     integerdivision i=new integerdivision();
47     i.setSize(new Dimension(400,400));
48     i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
49     i.setVisible(true);
50 }
51
52 class WindowAdapter1 extends WindowAdapter{
53     public void windowClosing(WindowEvent we)
54     {
55         System.exit(0);
56     }
57 }
58 }
```

Java source file

length : 1,658 lines : 58

Ln : 8 Col : 30 Pos : 229

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```
1 import java.awt.*;
2 import java.awt.event.*;
3 import javax.swing.*;
4 class integerdivision extends Frame implements ActionListener{
5     TextField n1,n2,res;
6     Label ln1,ln2,lres;
7     Button b;
8     public integerdivision() {
9         setLayout(new FlowLayout());
10        Label ln1=new Label("NUMBER 1",Label.RIGHT);
11        Label ln2=new Label("NUMBER 2",Label.RIGHT);
12        Label lres=new Label("RESULT",Label.RIGHT);
13        n1=new TextField(12);
14        n2=new TextField(8);
15        res=new TextField(10);
16        b=new Button("DIVIDE");
17        add(ln1);
18        add(n1);
19        add(ln2);
20        add(n2);
21        add(b);
22        add(lres);
23        add(res);
24        b.addActionListener(this);
25        addWindowListener(new WindowAdapter1());
26    }
27    public void actionPerformed(ActionEvent ae)
28    {
29        if(ae.getSource()==b)
30        {
31            try{
32                int num1=Integer.parseInt(n1.getText());
33                int num2=Integer.parseInt(n2.getText());
34                int num3=num1/num2;
35                res.setText(String.valueOf(num3));
36            }catch(NumberFormatException ne){
37                JOptionPane.showMessageDialog(this,ne,"ERROR",JOptionPane.ERROR_MESSAGE);
38            }
39        }
40    }
```

Java source file

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MultiThreadDemo.java Thread2.java integerdivision.java

```
1 import java.awt.*;
2 import java.awt.event.*;
3 import javax.swing.*;
4 class IntegerDivision {
5     JTextField num1Field, num2Field, resultField;
6     JLabel num1Label, num2Label, resultLabel;
7     JButton divideButton;
8     public IntegerDivision() {
9         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
10        setTitle("Integer Division of Two Numbers");
11        num1Label = new JLabel("Number 1");
12        num2Label = new JLabel("Number 2");
13        resultLabel = new JLabel("Result");
14        num1Field = new JTextField(10);
15        num2Field = new JTextField(10);
16        resultField = new JTextField(10);
17        divideButton = new JButton("Divide");
18        add(num1Label, num1Field);
19        add(num2Label, num2Field);
20        add(divideButton);
21        add(resultLabel, resultField);
22        addWindowListeners(this);
23    }
24    public void actionPerformed(ActionEvent ae) {
25        try {
26            int num1 = Integer.parseInt(num1Field.getText());
27            int num2 = Integer.parseInt(num2Field.getText());
28            int num3 = num1 / num2;
29            resultField.setText(String.valueOf(num3));
30        } catch (NumberFormatException ne) {
31            JOptionPane.showMessageDialog(this, ne, "ERROR", JOptionPane.ERROR_MESSAGE);
32        }
33    }
34 }
```

Command Prompt - java integerdivision

Microsoft Windows [Version 10.0.18363.1256]  
(c) 2019 Microsoft Corporation. All rights reserved.  
C:\Users\Aruna Ravi> javac integerdivision.java  
C:\Users\Aruna Ravi> java integerdivision

INTEGER DIVISION OF TWO NUMBERS

NUMBER 1 10 NUMBER 2 2

DIVIDE RESULT 5

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