

C:\Users\hriti\Documents\Division.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

examform.html examform.css login.html adminlogin.html login.css abc.html Division.java admin3.html

```
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2 import java.awt.event.*;
3 import javax.swing.*;
4
5 public class Division extends JFrame implements ActionListener{
6     TextField n1,n2,res;
7     Label l1,l2,lres;
8     Button b;
9     public Division(){
10         setLayout(new FlowLayout());
11         Label l1=new Label("NUM1",Label.RIGHT);
12         Label l2=new Label("NUM2",Label.RIGHT);
13         Label lres=new Label("RESULT",Label.RIGHT);
14         n1=new TextField(12);
15         n2=new TextField(8);
16         res=new TextField(10);
17         b=new Button("DIVIDE");
18         add(l1);
19         add(n1);
20         add(l2);
21         add(n2);
22         add(b);
23         add(lres);
24         add(res);
25         b.addActionListener(this);
26         addWindowListener(new MyWindowAdapter());
27     }
28     public void actionPerformed(ActionEvent ae){
29         if(ae.getSource()==b){
30             try{
31                 int num1=Integer.parseInt(n1.getText());
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33                 int num3=num1/num2;
34                 res.setText(String.valueOf(num3));
35             }catch(NumberFormatException ne){
36                 JOptionPane.showMessageDialog(this,ne,"ERROR",JOptionPane.ERROR_MESSAGE);
37             }
38             catch(ArithmeticException a){
39                 JOptionPane.showMessageDialog(this,a,"ERROR",JOptionPane.ERROR_MESSAGE);
40             }
41         }
42     }
43 }
```

Command Prompt - java Division

```
Microsoft Windows [Version 10.0.18363.1256]
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```

INTEGER DIVISION OF TWO NUMBERS

NUM1 12 NUM2 2 DIVIDE RESULT 6

Java source file length: 1,627 lines: 59 Ln: 59 Col: 2 Pos: 1,628 Windows (CR LF) UTF-8 INS

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Java source file

length:1,627 lines:59

Ln:1 Col:1 Pos:1

Windows (CR LF)

UTF-8

INS

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INTEGER DIVISION OF TWO NUMBERS

NUM1 0 NUM2 12 DIVIDE RESULT 0

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INTEGER DIVISION OF TWO NUMBERS

NUM1 12 NUM2 0 DIVIDE RESULT 3

ERROR

java.lang.ArithmeticException: / by zero

OK

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NUM1 | 12 | NUM2 | 4 | DIVIDE | RESULT | 3 |

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40          catch (ArithmeticException a){
41              JOptionPane.showMessageDialog(this,a,"ERROR", JOptionPane.ERROR_MESSAGE);
42          }
43      }
44  }
45  public static void main(String args[])
46  {
47      Division i=new Division();
48      i.setSize(new Dimension(750,400));
49      i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
50      i.setVisible(true);
51  }
52
53  class MyWindowAdapter extends WindowAdapter{
54      public void windowClosing(WindowEvent we)
55      {
56          System.exit(0);
57      }
58  }
59  }
```

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