

Division.java X

Division.java > Division > MyWindowAdapter > windowClosing(WindowEvent)

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1  /*Write a program that creates a user interface to perform integer divisions. The user enters two
2  numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the
3  Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program
4  would throw a NumberFormatException. If Num2 were Zero, the program would throw an
5  Arithmetic Exception Display the exception in a message dialog box.*/
6
7  import java.awt.*;
8  import java.awt.event.*;
9  import javax.swing.*;
10 public class Division extends Frame implements ActionListener{
11     TextField n1,n2,res;
12     Label l1,l2,lres;
13     Button b;
14     public Division(){
15         setLayout(new FlowLayout());
16         Label l1=new Label("NUM1",Label.RIGHT);
17         Label l2=new Label("NUM2",Label.RIGHT);
18         Label lres=new Label("RESULT",Label.RIGHT);
19         n1=new TextField(12);
20         n2=new TextField(8);
21         res=new TextField(10);
22         b=new Button("DIVIDE");
23         add(l1);
24         add(n1);
25         add(l2);
26         add(n2);
27         add(b);
28         add(lres);
29         add(res);
30         b.addActionListener(this);
31         addWindowListener(new MyWindowAdapter());
32     }
33     public void actionPerformed(ActionEvent ae)
34     {
35         if(ae.getSource()==b)
36         {
37             try{
38                 int num1=Integer.parseInt(n1.getText());
39                 int num2=Integer.parseInt(n2.getText());
40                 int num3=num1/num2;
```

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Division.java > Division > MyWindowAdapter

```
38     int num1=Integer.parseInt(n1.getText());
39     int num2=Integer.parseInt(n2.getText());
40     int num3=num1/num2;
41     res.setText(String.valueOf(num3));
42 }catch(NumberFormatException ne ){
43     JOptionPane.showMessageDialog(this,ne,"ERROR", JOptionPane.ERROR_MESSAGE);
44 }
45 catch(ArithmeticException a){
46     JOptionPane.showMessageDialog(this,a,"ERROR", JOptionPane.ERROR_MESSAGE);
47 }
48 }
49 }
Run | Debug
50 public static void main(String args[])
51 {
52     Division i=new Division();
53     i.setSize(new Dimension(400,400));
54     i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
55     i.setVisible(true);
56 }
57
58 class MyWindowAdapter extends WindowAdapter{
59     public void windowClosing(WindowEvent we)
60     {
61         System.exit(0);
62     }
63 }
64 }
```

OUTPUT DEBUG CONSOLE TERMINAL

1: java + -

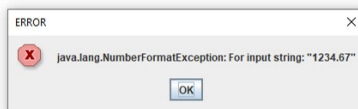
C:\Users\akki\Desktop\java files>javac Division.java

C:\Users\akki\Desktop\java files>java Division

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NUM1 NUM2 RESULT

NUM1 NUM2 RESULT



NUM1 NUM2 RESULT

