

Lab Priggram 10

Write a jorgoom that creates a user interface to perform integer divisions. The wer enters two numbers in the text fields, Num 1 E Num 2. The division of Num 1 & Numa is displayed in the Result field when the pivide button & is clicked. If Num1 or Num2 were not an integer, the program would throw a Number format Exception if Num2 3 second, the program would thrown on Agithmetic Exception Display the exception in a message dialog dox.

A import java awt, "; import java. aut. event. * import javax. swing. 4,

pull public class integoldivision extends Frame and implements Actionalistans Pertfield n1, n2, nes;

Cabel Int Ina Bres;

Botton b;

public integerdivision () {

setLayout (new Flow Lyout ()).

Cabel In 1 = new Label ("Number 1 ", Label RERIGHT)

Label In2 = new Label ("Number 2" Label-RIGHT).

Label In Ins = new Label (" RESULT", Label-RIGHT);

NI = new Text Field (12):

nd = new Text Field (8);

6= new Button (OCUZOE);

add(En1);

add (n±)

add (Ina)

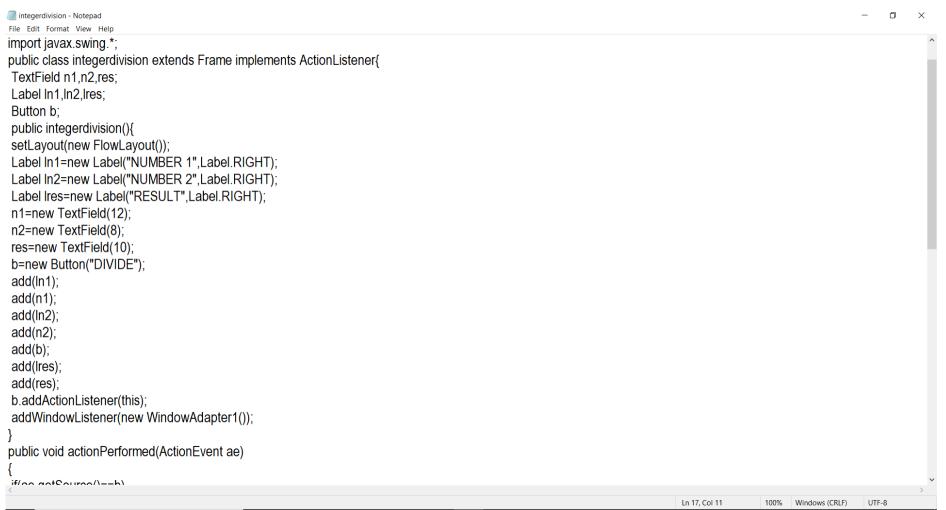
odd (Ena)

add(b);

add (Pres)

add (nes)

bradd # 6. add Action Listener Cthis); ad dwindow diotener Cnew Window Adofter (1); public void notion Regional Caction Event as if (al - get Source () = = b) { int numi = Enteger. house Int(n2.get Text()); int nums = numy/num2; ores. set Text (Storing, value Of (num3)); Costich (Number Format Exception ne) { Poption Pane show Message Dralog (this, ne, "ERROR", Johtion Pane. GREA. MESSAGE) f eatch (Arithmetic Deception a) { Toption Pane . Show Message Dialog Cthis, a, "ERROR", ToptionRane. ERROR_MESS AGE), public statue vold main CStoring angs []) 5 integordivision i = new integerdivision(); 1. sebsize (new Dimension (400, 400); i. set Pitte ("INTEGER MURSION OF TWO NUMBERS"); 1. set Visible (tome); class Window Adapter I extends window Adapter & hublic void window Closing Cwindow Event we) 3 System exit(0)



integerdivision - Notepad File Edit Format View Help import java.awt.*; import java.awt.event.*; import javax.swing.*; public class integerdivision extends Frame implements ActionListener{ TextField n1,n2,res; Label In1,In2,Ires; Button b; public integerdivision(){ setLayout(new FlowLayout()); Label In1=new Label("NUMBER 1",Label.RIGHT); Label In2=new Label("NUMBER 2",Label.RIGHT); Label Ires=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 WindowAdapter1()); nublic void action Dorformod (Action Event co) Ln 17, Col 11 Windows (CRLF) UTF-8

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integerdivision - Notepad
File Edit Format View Help
b.addActionListener(this);
addWindowListener(new WindowAdapter1()):
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));
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                                                                                                                                            100% Windows (CRLF)
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NUMBER 1 10 NUMBER 2 5 DIVIDE RESULT 2

- 5

NUMBER 2 2 DIVIDE RESULT 1

NUMBER 1 | ih NUMBER 2 | g | DIVIDE | RESULT |

