USN: IBMIGCS138

Write a program that creates a usel interface to perform integel divisions. The usel enters two numbers in text fields. Num1 and Num2. The division of Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the divide button is clicked. It Num1 or Num2 were not divide button is clicked. It Num1 or Num2 were not an integer, the program would throw a Number Roman an integer, the program would the Program would the exception. If Num2 were zeeo, the program would the an Arithmetic Expection Display the exception in memage dialog box.

import java. auch. Bordel Layout; Import java. aust. Button; emport java. aut. color; import java. auct. Dealog; import java. auct. Flowlayout; import jours aut. Frame; Proport java aut. Graphies; Proport java. aust. Bosets; emport java out. Label; Proport java aust. Textfield; import java auxt. event. Action Event; Export java. aut. event. Action Listeres; Emport jana auch . event . Text Event; import java aust . event . Text-lestenel; import java aut event . Wandow Adaptel; import java aut . event . Wirdow Event ;

public class Lablo extends France implements Action listone Text Field t1, t2;

String mgg = " ";
Button btn;

LabloU) }

Label 11 = new Label (" Arst Nomber: ", Label. P!

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```
t1 = new Textfield (10);
   latel 12 = new Latel ("Second Number:", Label . RIGHT);
          te- new Text Field (10);
      btn = new Button ("Submit");
       Alabel 1 = new Label ("Updates: ");
        11 - set Background (color. Yellow);
        12. set Background (color, YELLOW);
       11 this set Risizable (false),
        this add (11);
         this add (+1).
         this . add (12);
         this add (t2);
If the following command will make sure that input char is
               not visable to the used.
Il (It has been added just to demostrate). can be used
  for passwords.
  11+1. set Echochar ('*');
   11 ta, set Echo Char ('#');
     this add (btn, Borderlayout CENTER);
     this set Upsible (true);
      this set Size (600, 300);
 this setlayout ( new Flowlayout (Flowlayout . CENTER, 20, 10));
     11th. add Action listence (this);
     btn. add Action Listener (this);
    add Wendow listered (new mywendaw ());
      Set Background ( Color. 4ELLOW);
   Il Syptem out prints (Bordelayout CENTER);
     @ Overrade
        public Insets get Insets () }
               actum new Insch (50,10,10, 20).
```

```
@ Overside
public word action Performed (Action Event e) {
        String at 1 = +1. getText();
        String st2 = +2. get Text();
     double n1, n2;
       01 = 0.0;
       02 - 0.0 ;
  : f (et1. equals ("") 11 st 2. equals ("")) }
      msg = "You cannot leave the text elements black
   y else of
      try f
          ni - Double. parse Double (sti);
          n2 = Double parse Double (st2);
         4 sh of
               double res = n/n2;
             meg = " Result of devisor : tres;
        I catch (Arthimetic Expection el) {
                 meg = el·tostring();
    I catch (Number Format Exception e.2) of
          mge = "Enter only numbers and not other things
New My Dialog ( this, "Result Dialog", take, mgg, n, n2)
      public static void main (string [] ays) }
                 New lablo ().
```

```
dass my Oraley extends Oraley implements Action listened of
 public my Dealog (Frame sure, String title, boolean modal,
                              String mag, double 11, double 12)
     Super (owner, tette, modal).
      this, set-Visible (true);
        this set Size (200, 400);
      this set layout (new Flowlayout (1));
    Il system out printly (owner);
   Label 11 = new label (" Updates on the result " ");
       11 ld. set Styr (300, 20);
        this add (11);
    this add (new label ("First Number: "+11);
     this add (new label ("Second Number: "+n2);
     this add ( new label (mgg));
     Button b = new Button ("Close");
      this. add (b);
      boadd Action listenes (thes);
 this add windowlistener (new Window Adapter ());
        public void window Closing (Window Event e);
          dispose ();
      Public 408d action Performed (ActionEvent e) {
                dispose();
clan mywindow extends window Adapter of
      public void window Closing (Window Event e)
              System. exit (0);
```

output: Result Dealey updates on the result: Arst Numbel: 450.0. Second Numbel: 30.0 Roult of devision: 15.0 [close]