

LAB 9-Write a fragram that creater a user interface to Perform Enlager division. The user onbors two numbers In the fent Gelds Norm I and Norm ? The division of Normal and Norma is displayed in the result field when the divide button is diched, if Numl or word were not an integer, the program would throw a Number Formal Exception. It Nom 2 west zero, the program would throw an Arithmetic Exception Display The exception in a message olialog box. infort jona & . Swing! import jours-aut. 4; import jona. aut. event *; class Swing Demo & Swingleno () & I frame ifrom= rew I frame ("Divider App"); 1frm. set 5-2e (275, 150); ; frm. sett ayout (now Flow Layout()); I to terminate on close j frm. set Default Close Operation (J frame . EXII_ON_CLOSE); 1/ text label Itabel glab = new Itabel ("Enter the divider and divident") ladd text field for both numbers Mentfreid aftf- new Tentfield (P). Trentfield bitt = new J Textfield (8); // calc button JBUHTON button: New JBUHTON ("Calculate");

/lobels Jeabel en: new Thatpel (); Ilabel alab = new Jlabel ()i Jlabel blob: new Jlabel(); Jlatel anyab= rew Jubel(); Hadd in order ifm. addlerr); frm. add(jab); j'am. add (ajtf); ifrm. add (bj.kf), ifrm. add (button); ffrm.add(alab); Ifom add (anglab); ActionListeren I = new Action Listeren [] { Public void actionPerformed (ActionEvent ent)

System-out println ("Action event from a best file
} ajth. add Action Lightener (I); bitfiaddActionListener (i) public void action Renformed (ActionEvent ext) fry ? Inta-Integer, parseInt(ajtfoget lent)



int b = Integer, Parge Int (bith, get Tent ()); int ans =a/b; alab. setText ("In A ="+a)i hlab. settext(" In h="+ b); aurlab. selftest ("In Ans ="tans); cotch (Number Formal Exception e) alab. Set Text ("11); blab. setText(""); anylab, set Text (" "); on set Tent (" Enter Only Entegers ["); catch (Anthmetic Exception e) alab. setTent (" ") anslab . set Text (1 11); err. set Tent ("B should be NON zero!"); of from . set Visible (true); Public Static void muin (String args []) Acreate Grame on event dispatching thread Swing Utilities . invoke Later (new Runnable() {

	Date Page
fublic void run() { rew Swing Demo()i	
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\(\frac{2}{2}\);	
O05004.2	
COCTON -	
Dividen App Savot - 17 X	
Enter the dividen and divident	
40 4	
Calculate A240 8=4 Am 210	
Definitions:	
Thrame: A class in Jana that has i	ts own module
and constructors	: , ,
Flow layout (): (reater a flow layout with alignments and a default	to centered 5 unit hopp
ifrm. SetDefault Close Operation (I Frame, EX	17_0N_6LOSE
To summinde on close	



Journal ("Calculate:"):

Burron with tent "calculate" Emide.

Jabel:

To give labels to ble objects

ifrom, add (err):

To add error object that has the label

Action Listener ():

Defines what should be done when a user

performs a certain apenation

get Tent ():

This method receives a String

SetVisible ():
If you set it to be true, it means you

soreen.

A lightweight component that allows the editing of a scrott line of bent-

(12)2024