20/9/24

Lab-9

integer divisions. The user enters two nois in the text fields, Norms and Norma, The division of number and numa is displayed in the sesult field when the divide button is clicked. If number nor a were not an integer, the no would throw a number sommat Exception. If numa were zero, the program would throw an authomatic exception display the exception in a menage box.

import java. swing *;
import java. awt. event *;

class Swing Demo!

Ewing Demo () f

Jframe jfrm= New JFrame ("Dividu app");

jfrm. set Size (276, 150);

jfrm. set Layout (new Flowlayout());

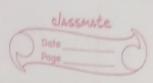
jfrm. set Default Close Operation (JFrame.

EXIT_ON_UDE);

Thatel jlab=new Thatel ("Enter divider and divident.");

Trentfield ajtf = new Trentfield (8); Trentfield bjtf = new Trentfield (8);

JButton button = new JButton ("Calculate");



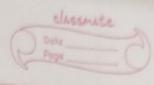
Thabel err = new Tlabel(); Ttabel alaba new Tlabel (); Tlabel blab new Tlabel(); ans lab = Tlabel new Tlabel(); · jfm.add(err); ifm. add (j(ab);

ifm. add (ajtf);

ifm. add (bjtf); form. add (bottom); ifom. add (alab); ifm. add (blab);

ifm. add (anslab); Action Listener 1 = new Action Listener () public void actim Performed (Actim Event evt) System out println ("Achm event from a text field"); 10 1398 mola ad bloods Si) tag 1792. AB ajtf. add Ackim Listener (1); bjtf. add Ackim Listener (1); button. add Action Listener (new Action Listener) public void actimpeymed (Actimerent eut)

inta = Integer. passeInt(ajtf. getTert()); int b = Integer. passeInt(bjtf. getTert()); int ans = a/b; alab. setText ("\nA = "+a); blab. setTent (") nB = "+ b); anslab.setTeut ("In ans = "+ ans); catch (Number Formed Enception e) alab. set Teut (""); blab. setTent(""); anslab. set Teut (""); ex. Jet Text ("Intermly Integer!"); catch (Anthemas 66 capism e) alab. settent (""); blab-setTent (""); ans (ab, set Teut (" "); en settent ("B should be NON zoo!"); 7 jfm. set Visible (true);



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1	sublic	stake	word	main	(Stoing	N10.15	١
1	5				7	agsis)	

Svoing Utilikes. invokeLater (new Runnable 1)

public void sun() { new Swing Demo ();

big - (april this dibios to) aciera.

store a frame using width and be

Enta the divider and divident:

50 T calculet

A=50 B=5 AN=10

Enter the divider and divident

Calculate blaket charge is a

B should be non zero!

SHREYA I RUPALIT 1B422C8267

Single Unit

It is easy to earplay

Functime used:

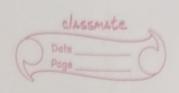
JFrame - The javar. Iwing IFrame claus is a type of container which inherits the java. a wt. frame class. If rame works like the main window where components like labels, tentfields are added to create a GUT.

- · setSize (int width, int height) -> wed to Resize a frame using width and height parameters
- · setlayout() method allows you to set the layout of the container. The layout manage helps layout the compenents held by this container.
 - epecify one of secural options for the clow button.

TFrame, Exit_ON_CLOSE - But the application.

- Jeans The object of Tlabel class is a component for placing text in a container.

 It is used to display a single line of read only text.
- is a text components that allows the



editing of a single line text. It inherits
IText Component class.

- · add (frame) adds new frame in the existing frame
- Ackimbistence The Java Ackimbistence is nobified whenever you click on the button or meno item. It is notified aganist Ackim Event. This interface is found in java. awt. event package.
- · SetText() This method substitutes new text for all or part of the text in the text field. This works only with the fixt line of multi-line text fields.
- · set Visible () is a method that has return type boolean.

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