polit books based prince I write a program that weater a uper interface to ger form integer divisions. The use enters two numbers in the text field, Num! & Num; enters two numbers in The division of Num1 and Num2 is displayed in the Result field when the Divide button is disked. I Num1 of Num2 were not an integer, the program would thouse a Numbertormattixaption. If Num were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box

import java.aut. \*;
import java.aut. \*;
import java.aut. event. \*;

class Swing Demo ?

Swing Demo () ? JFrame jprin = new JFrama ("Divider App"); jpm. setSize (275, 150); jorn. rethayout (new Flowhayout (1); journe set Dejault Close Operation (JFrame. EXIT\_ON\_CLOS

Thabel jlab = new Thabel ("Enter the divider & divider & divider &

Treatfield ejtj = new Treatfield (8); Treatfield bjtj = new Treatfield (8);

J Button button = new J Button (" (alculat"))

Thabel era = new Thabel(); Trabel alab = new Trabel (); Thabel Idalo = new Jhabel (); Thabel andalo = new J Lapod (); jen. add (ev); jour. add (jdab); jrm. add (ajt); mk) eldiel trange jpm. add (bjt); jour add (button); jpan.add (alab); introductiful tiperas. jym add (blab); Jrm. add (anslab); r day sixus Actionhistoner I = new Actionhistener () public word actionlessormed (Action Event ent) 3 System. out. printle ("Action event from a test field"), ajoy, add Action his tener (1); bit add Action Listener (1); button add Action Listener ( ) new Action history () } public uoid action Performed (Action truent ent) } System. out printing (Action execut from a text field); ay ty: saddliction histories (new int a = Integer. parse Int (ajtj. get Int ()); int b = Integer. parse Int (bj. tj. get Int ()); int ans = a/b; alab. rettex + ("In A = " + a);
blab. rettex + ("In B = " + b);
ansleb. rettex + ("In An = " + an);

Catch (Aritmetic Exaption) } alab. set Text (" ");
blab. set Text (" ");
anslab. set Text (" "); ear set Toxt ("B should be NON Zono!"). : (no) bea. orgi (dali) elo my (Itio bec my gjrm. set Visible (stre); · ( 16 3 ) hoo . may h public static word main (String rough J.) & Swing Utdilities. invokehater (new Runnable () } public roid rain () ; do. . new SwingDemo (); (the had & Di. barregalistes bear silling My hat 3 my hour with 1 Along ho why 8 output: Divider App - Dixx Man Enter the divider and divided to calculate ] A=2 B=2 Ang=1 B should be NON Zero! Enter the divident Enter the divider TOP · (0 / 0 / 20 ) + Colculation

D J Frame: 'J Frame is a class defined in the jawax. pockage, It supresents a window with decorations such as a title, border, and buttons for closing, minimizing, and maximizing. It obernes on a jundamental component for building exaplical user interface (QUTs) in Javo Swing. 2) setSize lint width, int height):
This method is used to set the size of a component, such as a Trane, in pixels. It takes two parameters: the width & height of the Components in pixels. 3) seth ayout (Layout Managerlayout): (1) model had (1) Container, such as a Throw. A layout manager it a responsible for arranding the components within the container. The rethand allows you to specify which the rethanger it method allows you to specify which he rethanger it method allows you to specify which layout manager to us. Common layout managers include Flowhayout, Bordeshayout, Gridhayout, and Gridhaghayout. 1) retDepaulCloseOperation(int operation):
This method rets the & default operation - tion that will be performed when the user doses the window using the close button &. The 'operation' parameter specifies the action to take common operations. includ ExIT\_ON\_CLOSE', DISPOSE\_ON\_ELOSÉ', 'HIDE-ON-CLOSE', and DO\_NOTHING-ON-CLOSE

- 5) I habel: 'I habel' in a class in the 'jawax. min package that supresents a display area for a shoother string of an image, of both It is commonly eyes, display text of icons on a GUI.
- 6) Textfield: 'Ttextfield is a class in the invalidation of allows edititing of a long time of text. It provides a text input single line of the user can enter or edit text look when the user can enter or edit text
- 7) add ActionListener (ActionListeners listener).

  This method adds an action at history to a component. An action at history to a component whenever the component ner is notified whenever the component agency as a action cuent, such as when a boutton is pressed. By adding an action listener, you can define the actions to be poponed in sep response to such events.
- Shet Text (Sking text):

  Shir method sets the text of

  Component to the effectived thing text

  component to the effectived thing text

  gt updates the bontent displayed by the

  component to the new text provided.



## Litter the divider and divident.







