## LAB-09

interface to perform unteger divisions the user enters two numbers in the last fields, Num I and Num 2. The division of Num 21 and Num 2 is displayed in the Ruselt field when the Diviole button is clicked. If Num I are Num 2 we not an integer, the program would throw a Number Format Extention. If Num 2 were Zero, the program would throw an Arithmetic Exception Diplay the Exception in a misage dialog box.

import java aut. event. ";

class, Swing Dimo

Swing Demo ()

JFrame Jfram: onew JFram
("Divider App");
jfram. setSize (2+5,150);
jfram. setLayout (new FlowLayout);
jfram. SetDeputt Close Operation
(JFrame EXII ... ON. CLOSE);

Thabel jlab : new Thabel ("Erter the Text Field ajts : new FText Field (8);
Text Field bjess - new Text Field (8);

J. Button button: new JButton ("Calculate")

Thobel our = new Thabell); Thabel alab = new Flabel (); Habel blab = new Thabel (); Thabel anslab = new Thabel W;

item add (cer); jfrm add ( jlab); jfrm add Carth: jfrm · add (byly);
jfrm · add (button); from add Calabi john add (blab); jfrm add (andab);

Actionhisterer 1 = new Actionhisterer 1)

public void action Perpermed (Action
Event cvt)

System oud println ("Letion event Jerom a test field");

ajts add Action Listener (I); bjy add Action Listener (I); button add Action histories Concus Sctionhutenus) public void action Performed (Action - Event ext) int a = Enliger. parsient (ajl)

int b = Enliger. parsient (bjft

get Teatl

int ans = a/b; a lab. set Text ("In A = " + a);
blab. set Text ("In B = " + b);
andab. set Text ("In Ans = " + ans);
3 Catch (Number Format Exception C) alab Set Text ("" andalo set Text (""). 9 Our Set Text ("Enter only Briggers!")

Catch Cheitheralic Exception c) alab . Set Text ("") anslab . Set Teset (" "); our set Text ("B should be Non Zero!) ifrom Sit Visible (tome); public static void main (String orgs []) Swing Utilities . imokehater (new Rumable). public void rus () 3 new Swing Demo(): Enter the divider and divident: [ calculate ] A= 10 B= 0 Ams > 5 SHREE VARNA. M - 1BM22CS263

0/p:-Enler the divider and divident Calculate HUNCTIONS Ithame - The Jarax string I Frame class the Jara aust Frame class. J. Frame works the the main window where Components like labels, lextfields are added to oreate a GOI. · belSyse (int width, int hight) - used to rusge a frame using to width and height parameters. · Set longout () - method allows you to set the layout of the container. The layout manages helps layout the components held by this container essed to specify one of several options for the close button.

JENarrow EXTI-ON\_CLOSE - Fruit the application

. Thatel - The object of Thatel clair is an container. It is weed to difflay a single line of suad only level. The editing of a single line lead. It enhants I Teat Component class. · add (frame) - adds new frame in the laisling Frame. Schonhistenes - The Java Schonhistenes is notified whenever you click on the buttor or memu itera It is notified against SchonEvent. This interface is found in Java aut. event package. Set Text () - this method substitutes new text for all or part of the text in the text field. This works only with the first line of multi-line text fields. Set Visible ()-is a method that has