Classmate week to 9 9) Woute a prograam that & creates ca user interfer to perform in teger divisions. The user enters a number of an one 15, no 2 is displayed in whe Roman The div of on no. 1 & no. 2 is displayed in whe Result field when div button is clicked. If the entered no. sugar int then throw number format Exception It roum? o the program would throw an Arithmetic Exception. code / Input: import jana shing "; import jana aut *; impost jana ault event *; clas Swing Demo { Swing Demo (), Il create frame container JEramo jfrm = new Jframe ("Divider App") Ifom setsize (275, 150); Ifom set Layout (new Flow Layout ()); Jfom set Default Close Operation (JFrame EXII) - CLOSE); 11 tent label Jeable jeab=new Jeabel ("Enter the divider and diviolent: "); Trent Field aft = new Tent Field (8); Tentfield bitt = new j-Tent field (8); J Button button = new JButton ("Colum P.T.O



Mabels:

Tlabel err = new JLabel ();

Thabel alab = new Jdabel ();

Thabel blab = new Jdabel ();

Tlabel anslab = new Jhabel ();

II ædd in order jfrm ædd (caa);

jfrm add (jlab);

jfrm. add (ajtf);

jfrm. add (bjtf);

jfrm. add (button);

jfrm. add (alab);

jfrm. add (blab);

jfrm. add (anslab);

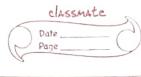
System out baintle ("Action event from a dext field");

but ton add Action histener (1);

bublic upid action performed (Action Eventeux dry & inta: Integer. parsednt (aj tf. get Text()); -

int b = Integer. parseInt (bitf get Text);

	classmate
	Date Page
	int ans = a/b;
	alab. set Tent ("(n A = "+a);
	blab. set Text ("\nB="+b);
	anslab. setText ("in Ans = "tang);
	3
	catch (Number Format Exception e) {
	calab. set Tent ("");
	blab. set Tent ("");
-	ignslab. set Tent ("").
	err. set Tent ("Enter only Integer!");
_	3
_	wortch [Arithmatic Exception e) {
	alab. set Tent ("");
	h sab. set Tent ("");
	anslab set Tent ("");
	orr. set Tent ("B should be NON zero!")
	3
	3
	31)
	1/display frame. 1 frm - set Visible (frue);
	I from - set Visible (frue),
	3
	public static moid main (String ags [7) {
	2 (21:22 : 1
	Suing Utilities innoke Later (neu Rumable) ?
	fublic word own (){
	new Suing Demo ();
	(3):
	/3 //
	?
	J
Tr.	



OUTPUT:-Enter the divider Edivident calculate A=4 B=4 Ans=1 Enter only Integers!
Enter She divider & divident
int 4
calilate B should be NON BEROI Enfor the divider and divident: Calculate Report on all othe functions used. 1) J Frame: 'J Frame' is the main window container for the GUI. It is responsible for the onegall stoucture of the capplication window, including its title size, layout manager, and default close operation. 2) Thabel 'Jdabel' is used to display test on the GUI. In this pergram, labels care used to prompt the user to enter divider and dividend, and to display additional iformation or from messages 3) Set size: In Jana GOT Shrogsamining, the set size function is used to specific the dimensions of a graphical content such as a window panel or but ton, It is typically used to define the width and height of the component for eg set size (255, 150) det midth to 275 pixels and. theight to 150 phrels.

-> det layout () meathod common layouts include Berder layout, Flow Layout, Grédhayout elec.

Border layout, Flow Layout, Grédhayout (1); assigns

Example: sellayout (new Border Layout (1); assigns

Border Layout do she wonfainer, arranging womboner accordingly. Set défault Mosé fération (): In Java GVI pagramming do ald the default clar operation for a J Frame you wan use the set Default Close Operation () meaning. In the above example (J. Frame. Exit-on ULOSE) see the default close operation so exit the application when the Jeramie is colosed. There are a few other of tions canailable based an the desired behaviour > To create a 'Tent fild' it creates a tentill the can hold up to 20 characters mide. You canadjust the width according to your acquirements. Then iadd (tent Field) adds the flat field to the JFrame -) Of ranfrance add frame at JERame is irreated the ajtential is created add frame function allows you to eadd frames to your main T France -) Action Sistenes: In Jana GUI perogramming. can action histener is an interface used to hande events talgered by reser actions, such as clicking a button or delecting an item from a dropdown menu wen an event coccuss, the unorresponding Action histener's action performed is invoked this callows you so define what action should be taken in aces bonse so the evers interaction set tent: In Java 'set tent ()' is a meathod used to det the dest content of a tent based womponent, such as I habel, 'I Button, 'Trent Field TTENDASLA!

