

| 20  | rage No :                                   |
|-----|---|
|     | LAB 9                                       |
|     |   |
|     | WAR that creates a user interface to        |
|     | perform integer divisions.                  |
|     |   |
|     | import javax swing. *;                      |
|     | import java awt . *;                        |
|     | import java aut event *;                    |
|     | Inga.                                       |
|     | dan Swing Demo [                            |
|     | Swing Demo () {                             |
|     | 1/ create jframe container                  |
|     | JFrame jform = new JFrame ("Divider App");  |
|     | ilm set Size (275 150):                     |
|     | jtom. set Size (275, 150);                  |
|     | jfrm. set Layout (new Flow Layout ());      |
|     | jfrm. set Default Close Operation (JFrame.  |
|     | EXIT-ON-LLOSE);                             |
|     | Ilabel jlab = new Ilabel ("Enter the        |
|     | divider and divident: ");                   |
|     |   |
|     | JTextField ajtf = new JTextField (8);       |
| -   | JextField bjtf = new JTextField (8);        |
|     | STextField bytt here sie                    |
|     | To the ("calculate");                       |
|     | JButton button = new JButton ("(alculate"); |
| -1- |   |
|     | Habel one new Tlabel ();                    |
|     | all alabether                               |
|     | Label 1                                     |
|     | Jeabel anslab = new Teabel();               |
|     | in Jeaber and in Adher                      |
|     |   |

item add (evi): jfrm. add (jlab); ifrm add (ajtf); ifrm. add (bjtf); jerm. add (button); frm. add (alah); jfrm-add (blab); ifom add (anslab); Action Listener 1 = new Action Listener () public void actionPerformed (ActionEn System out println ("Action event from a text field"); ajtt. addActionListener (1); bitt addActionListener (1); button add Action listener (new Action listener public void action Performed (Action Event int a = Integer parse Int (a) tf get Text !!

int b = Integer parse Int (b) tf get Text !!

int and = 2/1 alab .setText (" |n A = " + a); bilds. set Text (" \n B = " + b); andab set Text ("In Ans = " + ans);



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| 1        | catch (NumberFormatException c) {  |
|          | alab. set Tent (" ");  |
|          | blab. set Text (" ");  |
|          | and all sitt it was  |
|          | enr. set Text ("Enter Only Integers!")   |
|          | g entigen ;  |
|          | 3  |
|          | 3): - 1): - 1): - 1: - 1: - 1: - 1: - 1:   |
|          | jfrm. set Visible (txue);  |
| 130      | 20   |
|          | J  |
|          | - Ilie static will main (String and [7))   |
|          | public static void main (String args []) { Swing Utilities invoke Later (new Runn abbel) { |
|          | surge surge () &   |
|          | public void run () {   |
|          | new Swing Deme ();   |
|          | 12.3) sui - 1 hattersqual di di 1 2 3  |
|          | 2  |
| - ALL DI | 2  |
| - 1      |  |
|          | 31.5 1 7 - 37.33 7-1 42.   |
|          |  |
| 3.0      | Enter divider and divident   |
| 110      | Enter divider and consent  |
| 1        |  |
|          | [Calculate] A=10 B=5 Ans=2   |
|          |  |
| 1        | ( et )   |
|          | with the desirable of the second   |
|          | 4 P . 19 11 97 15 1 1 2 1  |
|          | Accounty on Activity   |
|          |  |

· JEname - The javax swing. JEname class is a type of container which inherits the java aut Frame class JEscome works like the main window where components like dabels, textfields are added to create abut · setSize (int width, int height) - used to resize a frame using width and hight · settayout () - method allows you to set the layout of the container. The layout manager helps lay out the components held by this container. set Default (lose Operation () - methods is used to sperify one of several options for the close button. I Ename, EXIT-ON-(LOSE - Exit the application Ilabel - The object of Ilabel class is a It is used to display a single live of read only text. JTextField - The Object of a JTextField class is a text components that allows the editing of a single line text. It inherita Text component class.



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|       | add (trame) - adds new frame in the  |
|       |  |
| -     | Action Listener - The Java Action Listener is<br>notified whenever you click on the button |
|       | Action 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 first line of multi-line text fields.                 |
|       |  |
| •<br> | set Visible ()— is a method that has return  type booleans of m                            |
|       | 2000   |
|       |  |
|       |  |
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