```
LAB-9
 inhort janar. suing. +;
 inhort jain aut. ";
infast jain aut eunt . + ;
                                          Genduna implements Reunalde &
 . class Luing Deno {
       Swing Demo () {
                                                        ( ( p p) remulated
        Iframe Ifram = new J.Frame ("Divider App");

iframe Ifram = new J.Frame ("Divider App");

if smulrish ", sitt ) based wer
           sitm. settayout (new Flowlayount (1);
         Hrm. set Default Glose Operation (JFram. ExIT-ON-CLOSE); to
         Itabel jlab = new Itabel ("Enter the divider and divident in");
          Thent Field gift = new Thent Field (8); 1 Ptop. 9 - 1 to
          J Text Field light = new . Tent Field "(18) retrive). Low medical
          J Button haddon = new JButton (" ashulate "); 1++3
          I Lokel err = new I Lokel ();
           Trabel alab = new Trabel ();
          Trabel hab = new Trabel(1;
           I babel andlab = new Italiel ();
           ffrm. add (err); " ()
                                                                       1-IN
                                                                        الله: ا
          jfrm. add (glab);
                                                                        1: 44
         Hem. add ( a) ( );
                                                                        c: Jul
        Hom . add ( lift );
                                                                       c : 100)
         Hem . add ( hutton);
                                                                        E: 411
        ifrom . add (alab);/
                                                                        40t:3
        iffrom add ( hears);
       for add (anslat);
```

d. Imp (1+1);

```
Aution listener 1 = new Action Listener () [ (auct) shill tol out)
        hubble wird action Portermed (Autoin Event ent) [
                  System. Out. Brusten ( "Action event from a tent field ");
                                                               Suring Willish. invoke Later ( new Kurnahlell ?
                                                                                         ] () rave biou sible
                                                                              new Swing Done ();
           ext add Aution Listener (0;
           light. add Action Listener (1);
            hutton. add Action listerer ( new Actionlisterer (! {
                      trublic word action Porformed (Action Event ent) {
                                     ent a = Integer. provie Int ( d off. get Tent ()); - TU9TUO
                                     int b = Integer. horsetht ( light. Let Zent (1);
                                     int and = a/b;
                                       alab : set Tent (" \n A = " + a);
                                        [ (dalulate ) A = 120 (1 (d fo" = 180 al, ") trust tex. class
                                        anslab. Set Text (" in Any = " + ans);
                                                                                                                                                               nestanalynd
                                                                                                                            Empery statement -
                    catch (Number Format Frieftion e) {
                            faire and - Imports from abstract winds " " delite . dell
     drenafina 100 andirector sent Lentill; arithmed top what drafine - them and
                          err. set Lest ("Exter only vileger! );
                                                        duising Osmo - Main class for defining the apply logic.
               latch (Arithmetic Emelphin e) for st ledal and studies non A - ledall alabor non A - ledall
                                                                                                           Jent Feld - User white
                        alast. Set Text (" ");
                         blab. Set dent (" "); . Nieder Miggirl Late rotter . mittel
                         Instational of manger that commend of the contract that the state of the contract of the contr
                         err. sot dent ("B" should be NON sero !0");
                       3 } ();
```

Hrm. set Wishle (true); 3 () revetted neith wer = ! reveted neither hublie statie word main (String args (7) & third. Lus modern System and the form of the string args (7) Swing Utilies inwoke Later (new Runnable) ? fullie usid tun () { eit add Action Listerer (0; new Swing Dono (); (1); add Auton Witness (1); button. add Ribern Listeners (new ActionLiberers (1. {
rubble word action Porfermed (Action Frent out) {
try {
try { ist a = Integers. from Int (a) off. got text () = TUGTUO Enter (ditider to go divident the strad. regard = d to its its and divident the strad of the to the its its date Calculate A = 120 (8 & 30" = Ahs Q',") treto tet. dall andlab. Let Jent (" in far - " + and) Enplanation -Import statement -) (o noutfund dampe Fredmit) data Jains - Suring - inforts from Suring bookit i. e graphics user interspect Jains. aut - inforts from abstract unidon toolkit providing Gus components. Clarker - Set dente ("Eten enty integral!); es - redella Luing Dens - Main class for defining the app's logic. JErrane - A top level window container

Tiabel - A non editable tent babel to disp into interestint) total

Tent Field - User input JButton - Button that briggins actions. (" that the days

Flow Layout - A manger that arranges components in horizontal glow.

Action Listerer - An interface for handing action wents. ; () f +

Eurobers -

- new Transe ("Divides App"), new Transe with specified little.

- set Size (275, 150) - hets the initial slige of the frame.

- set layout - sets Layout manger to Flowlayout.

set Default Close Operations - Zerminister when frame is closed.

new Tballel - Careales a label within the given text.

Text Field - Careales field with 8 columns for infut.

TButton - areades button with the given text.

Action listener - Altachel to component to handle action events.

Action Event - The method colled when action event occurs.

Swing Utilities - Schedules a russiable task to be evaluated on EDT.

Jahr. om