```
a user interface to
Write a program that creates perform integer divisions.
 import. aut. *;
import fava.aut.event.*;
                                    extends Frame implements
 Public class Division Main I
Action Listener [
          Text Field num1, num2;
          Button dresult;
           label attacett;
           String out = " " 3
           double result Num;
           int flag=0;
     Public Division Main 1()
          setlayout (new Flowlayout ());
           dResult = new Button (" PGSULT");
Label humber 1 = new Label (" Number 1: ",
Label. RIGHT);
           Label number 2 = new tabel ("Number 2: n
Label · RIGIHT);
            num 1 = new Text Field (5);
            num 2 = new Text Field (5);
            outrout = new Label ("Risult: ", habel - RIGHT);
           add (number 1); add (num 1); add (num 2); add (num 2);
```

add (outResult); add (dResult) à num 1 -add Action Lustener (this); num 2. add Action Listener (this); drisult. ddd Action Listener (this) add Window Listener (new WindowAdapter () public void window Closing Cwindow Event. System · exit(0); 3); void action Performed (Action Event ae) public int n1, n2; Huselbro + () Xtop to ff (ac. get Source () = = dResult) n1 = Integer. pariseint (numl. getText(1); n2 = Integer parse lut (nun 2, gettexty) if (n2 = =0) throw new Arithmetic Exception (); 16ut = n1 + n n + n2; result Num = n1/n2; out + = String - value of (result Num) ; repaint ();

```
Catch (Number Format Exception e1)
                                 winit add Action
       flag=1; (with restant make blo s mun
       out = "Number Format Exception! " tel; vrepaint ();
   Catch (Arithmetic Exception (2)
             flag=130) tixe moley
            out = "Divide by O exception! " tez,
orepaint ();
public void paint (Graphics g)
      if (flag==0)
g. draw String Cout, out sult. get Y() + out Result. get Y() + out Result. get Y()
        Height (1-8);
        g. drawstring (out 100, 200);
        flag=0;
 public Static void main (Steingh) args)
         DivisionMain1 olm = new DivisionMain1();
```

dm-setsize (new Dimension (800,400)); dom. Set Title ("Division of Integors"); don. set Visible (true); method of Action Walence output: e) ald Windows holones () Number 2:12 Number 1:16 [Result ! 6 2 3-0, 2 to seceive window events 1BM22CB238 My way see the property repairt (an asynchronous Helps 10. baiter

- i) add Action Listener (object-name)
 - when any - callback mechanism
 - action is perform method of Action Listener interface
- 2) add Window Listener ()
 - ut used to process window events
 - it adds the specified window disterer to receive window events
- 3) get Teset ()
 - function to get tent input from the user

- 4) repairt ()
 - an asynchronous method of applet

- takes instance of String class as parameters Containing the text to be draw of two integer values specifying the coordinates where text should start.
 - 6) getHeight (), getwidth() Set Size()
 - Sets the size of the current Dimension object to the specified width of height.

- 7) setlayout ()
 - method that allows to set the layout of the container

8) JFrame

JErame is a class in java that consists of methods for setting size or lisibility

granshing () entend 9) Ilabel de prote protecte redol. L, Thabel instance with the specified text, image, and horizontal alignment should start. (a) set Visible () 11 billion () the contract () - method makes the Frame appear wielth & height. 7) setlayort () netrod statfullows to set the largest fulls contained and set the J. Frame Tracave is a class in jova Has consists of methods for selbing size or lisability