9. Applets - 20-02-2029 import javax swing . + ; import dava aut. +; inport java. aut. event. *; class Swing Dermo Swing Denno () Ifreune offrm = new Iframe ("Divides App"); jform- set size (275,200); jfrm- Sethayout (New Flow Layout ()); jferm. Set Default Close Operation (JFrame - EXIT-ON-CLOSE). Jeabel glab-new Jlabel ("Enter the deividence and J Tent Field of agtf=new J Terrifield (8). divisor 4). Trentfield bitt = new JTentfield (8); JButton button = new JButton (" Calculate 4). Thatul ever= now Thatel(); Thatel alab = how Thatel(); Jealer block = new Jabel (). Jeabel anslab = new Jealel). j.frm. add (j lab). Hem. add (ay +f). d frm - cedd (bitt) ofen. add (button).

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Item add (ever)
j frm. add (alab);
d frm - add (blab).
d frm. add (anslow).
button. add Action Listener (new Action Listener () &
 public void action Performed (Action Event evt)
      int a = Integer. parse Int (aj Et, get Text ())-
      int b = Integer. parse (at (bitf, get Text ()).
     4 (6==0)
       Throws new Arithmetic Exception ( " B should be
    int ans = a/b;
  alabo setTent (4 in Dividend (A) = 4+ a)-
  blab. set Text(" In Divisor (B) = "+ b).
  anslab. set Text (" (a Result = "+ ans);
  lour . Set Tent ( 4 4).
 I catch (Number Format Exception e)
    ers. set Tent ("Fiter only integers!");
about setTent ("");
```

mal, set Tent ("11); gatch (Brithmetic Exception e) gre set Tent ("B should be non alab, set Tent (" "); blab. set Tent (" "); anslab. set Tent (" "); jfrm. set Visible (true); public estatic void manin (String args []) Swing Utilities. invoke Later (new Runnable (). public vord run() new Swing Demo ()-

Output:

Divider App

Enter the dividend and divisor:

[10]

[5]

[Calculate] Dividend (A)=10

Divisor (B)=5 Result = 2

Functions used:

- 1. void set size lint width, int height) Sets the size of the component.
- 2. Void sethayout (Layouthanager mgs) Sets the layout manager for the JFrame.
- 3. Void cet Default Close Operation (int operation) Sets dyan close operation for the Jaranne.
- 4. void add Action Listener (ActionListener Tistener) Addy am action listener to the Brutlon
- 5. Void settent (String tent): Sets the tent of a Jabel or a Jientfield.
- 6. void invokehater (kunnable dokun): Causes the Runnite to be executed curynchronously on the AWT event disparching theread.
- 7. & set Visible (boolean visible): Sets the visibility of the J Frame

8 void run () - Method enecuted by Runnalle frierface which in this case initializes the guing Demo Object.

20/2/24