white a program their executes a user interface to perform integer olivisions, the user enters two numbers in the textificated Nums and Nums. The olivision of Nums and Nums? The olivision of Nums and Nums? Is displayed in the Result field when the devicte button is dicted. If Nums or Nums? were not an integer the program would throw a number format Exception. If Nums were zero the program would throw an Arithmetic Exception pisplay the exception in a metsage dialog box.

import java. swing. *;
import java. awt. event, *;

class Swing Demo ?

swing Demo () {

JFrame Jfrm = new JFrame ("Divider App");

jfrm. setSize (275,150);

jfrm. setAgyout (new Flow Layout ());

jfrm. setAgault Close Operation (JFrame.

EXIT_ON_CLOSE);

JLabel jtab = new TLabel ("Enter the divider and divident");

Trextfield off = new Trextfield (8);

Trextfield bitf = new Trextfield (8);

JButton button = new JButton ("(alculate"))

```
Jlabel err = new Tlabell);
           Thabel alab = new Thabell);
           ILabel blab = new Ilabel();
           Tlabel anslab = new Tlabel ();
           ifim add(err);
           jhm. add (jlab);
           itum. add (ajty);
           ifrm add (bitt);
          ihm, add (button);
          itim . add ( alab);
          ihm, add (blab);
           jfrm. add (anslab):
 Action Listener I = new Action Listener () }
        public void actionPerformed (ActionEvent en)
           System. out. printin ( Action went from
                      a text field");
ajt. add Achion Listener (I);
bitt add Action Listener (I);
button, add Action Listener (new Action Listener () }
          public void action ferformed (Action Frentist)
                 int a = Integer-parse Intlajtf.gerTextly
              my {
                 int b=Intigur. pargetat (bit get Text ())
                 int ans = 45 alb;
                alab. setText ("(nA="+a);
                 blob. scrText ("InB="+ b);
                anslab-set Text ("In any = + + ans);
```

3)

```
catch ( Number Format Exception e) }
                   alab. set Text [" ");
                   blab.setText("");
                    anslab.su Text (" ");
                    crisetText (" Enter Only Integers!");
            catch (Arithmetic Exception e) {
                   alab serText (" ");
                 blab set Text ("");
     onslub-ser Text ("1);
                errice Text ("B should be NOW zero");
  3);
  jom. set Visible (true);
 public state void main (string args (1) }
7
             Swing Utilities. invoke Later (new Runnable () &
                    public void run () {
                            new swing Demol);
             7):
output )
             B Divider App
                              - U X
              Enter the divider and dividend
             [Calculate] A=12 B=3 Ans=4
```

Functions: sulayout (): This method allows your to set the layour of the container often a JPand, to

Say Flowlayout, Borderlayout etc

set Default Close Operation (): This method specifies the althon to be performed after red own burton now been withed

add (): Thir nunction adds component to I Frame add Event Listener (); event handlers are functions that contains actions that need to be extent performed after an event has happened setText 1): setText updates the TextField component

to store current value in TextField. set visible (): sel visible function determines whether a particular I Frame will be shown or not

JFrame 1): It creases a new JFrame

Thatel 1): It weater a new habel.

JButton (): It excels a new button

Mextfield(); It weare a new Textfield.

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