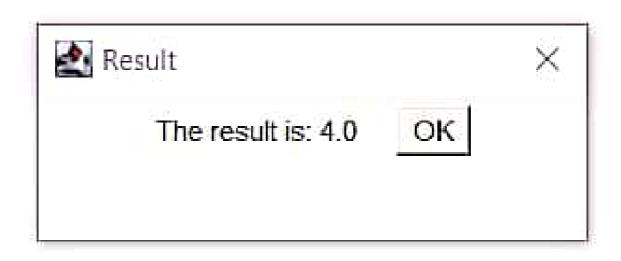
10.1 (1.20.1×12)	
Lab program 10:- (Week 12)	
Pimport java. ant, *;	
import java ast event.	
La time antenda forceration of	,
Jan Num Exception extends Exception {	
public String to String U	
d "Tale is a As Manachic for crotion" "	
return "There is an Arithmetic Excuption" !!	
Mass Formet Exception extends Exception f.	
public Stling to Stling U	
f frantin,"	
return "These is an Formet Exception.";	
public dans dividenums extends frame impléments Action	istenes E.
public dans dividenmes extense montes	
Tesch Stield numb, numb	
Button div;	
double result;	
String mg="The result is: 0.0";	
public dividenums ()	
{ (, , , (, , , , , , , ));	
setlayout (new flow Layout ());  Label rum In = new label ("Numerator: ", Label. RIGHT);	
Label num in = new Label ("Deno menetor: "8, Label. RIGHT);	
(abel numen = new lavel ( our report	
Button div = new Button ("Divide")	
nun1 = now Text field (5);	4
nun 2 = new Textfield(5);	
add (mmtn);	
add (num1);	
add (num 2n);	
add (num2);	
add (div);	

```
num 1. add Action Listener (this);
    num 2. add Action Listener (this);
    div. add Action Listener (this);
   add Window Listener (new Window Adepter ()
      public void window Clasing (Window Friend we)
          Jystem exit (0);
   });
  public boolean is Double (double num)
     double doc:
      dec = num - (int) num;
     if dec == 0.0)
public double divide (double a, double b) throws -
               - Num Exception, Formed Exception
    if ( 6 =0.0)
      throw new Number reption ();
    else if (istouble (a) 11 is Double (b))
     throw new formet Exception ();
  roturn (double) 9/6;
```

```
public void action Performed (Action Event ac)
       double a, b;
       a= Double. parge Double (nums getterell);
       b= Double parse Bouble (nume get Text[]);
        result = divide (a, b);
       mg= ("The result is: "+ result);
      witch (Num Except aption ne)
         ngmig = ne. tolting ();
       cotch (Formet Exception fe)
        mg= fe.tolting();
    repaint();
 public void paint (crapheics g)
   Resultatog d= new Resultatalog (this, "Result");
  Edition d. set Viille ( ¿me);
public static void main (thing argell)
  dividenum appuin = new dividenum ();
  appuin setsize (new Dinentians (350, 300));
 approin settige ( Divide Two Numbers ");
 appwin. set Visible (true);
```

```
class ResultDéalog extends Dialog implements Action listenes {
 divide rums pt;
 Result Dialog (Frame Parent, Sking title)
    Super (parent, title, false);
    pt = (dividenums) parent;
    Setlay aux ( new Flow Layout !);
   setSize (250,100);
    Button b = new Buttom("OK");
   add (new Label (pt.nyg));
   and b. add Action Listener ( shis);
   add (b);
   add Window Listenes (new Window Adapter () }
          public void window Closing (window Event we) {
           dispose();
       3);
public void action to the Performed (Action Enew are)
   dispose U;
```

Divide Two Numbers			×
Numerator: 12	Denominator:	3	
Di	vide		



Divide Two Numbers	_		$\geq$
Numerator: 56	Denominator:	0	
D	ivide		
Result		×	
There is an Arithm	etic Exception.	ок	

Divide Two Numbers	-		$\times$
Numerator: 12.5	Denominator:	3	
	ivide		

