Program 9

Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

OBSERVATION:

	store 67/		
DAIR.	Write a program that creates a user interpose to perform integer divisions. The case enter a number of the less fields along the Jump I between a combern of the less fields along the Jump I between a land to the less than the		
	perform integer divisions. The user enters a		
	numbers on the kext feelds Num 2 4 Num 2. It		
110	dission of Num 2 4 Nom 2 & displayed in the res		
field when the divide button is eliched.			
	feld when the divide button in claves of hum 1 or huma were not an integer the processed throw a dumber format Exception life to were 0, the program would throw a Arithmetic an Arithmetic and Arithmeti		
	would throw a number tormat Exception if Num		
	Exception Display the exception in a mass		
	box.		
	import java and A; and hard brook brook		
-	import java aut event. *;		
	bublic class Devision Main 2 extends frame implements Assem		
	1		
(3)	Text Reid some shows been should		
	num1, num1;		
	Butor d Result;		
	Label § § Out Result;		
	String		
	String (or Out = "";) heaving almost new sound		
	double		
	resculentum;		
ST	ort fing=0;		
100	Public DivisionMain1()		
VI	- f (Hun There Come of approprie		
	SetLayout (new FlowLayout ());		
-	different = new Retton ("REGULT"); Label Number 1: " new Latel ("Number 1;") Jack Rest		
	dRetail = new Barton (KESULT) 3		
ABO	latel flower		
	store 67		
Me	store 67		
Mari	/*tg (n2.50)		
Mass	store		
Salles I	/*ty (n2=0) /*ty (n2=0) Arithmetic Exception (); */out = n2+" "4n2+" "; Tauth Alma = n4/n3;		
	/*ty (n2=0) /*ty (n2=0) Arithmetic Exception (); */out = n2+" "4n2+" "; Tauth Alma = n4/n3;		
	#1/4 (n2 =0) #1/2 (n2 =0) Arithmetic Exception (); */ out = n2+" "4n2+" "2 "4u12+" "2 "4u12+" "3; "4u12+" "4u2 Out+= string, value Of (result Alum); report();		
	# (1200) # (1200) # (1200) Arithmetic (Eccopion (); */ Out = n2+" "4n2+""; "Eccut Alms n3/n2; Out = String Value Q (restt Num); report ();		
	***\((n2 == 0) \) - \ \frac{1}{2} \tag{ (n2 == 0) } \\ - \ \frac{1}{2} (n2		
	/*tq (n2.50) /*tq (n2.50) Arithmetic Eucephon (); */ out = n2+" "4n2+" "; reall Num: n2/n2; Cut+ = String value Q(realt Num); report(); 3 Calch (Number format Eucephon; c2)		
	/*tq (n2.50) /*tq (n2.50) Arithmetic Eucephon (); */ out = n2+" "4n2+" "; reall Num: n2/n2; Cut+ = String value Q(realt Num); report(); 3 Calch (Number format Eucephon; c2)		
	three news Arithmetic Exception (); */ Out = n2+" "4n2+""; "cout Alums n2/m2; Cut + = string value Q (routh Num); report (); 3 Cutch (alumber format Exception : c2) { Are = 2; Are = Number format Exception !		
200	three of the first		
	three news Arithmetic Exception (); */ aut = n 2+" "4n 2+1"; Teaut Alum = n 2/n2; Cut + = string value Q(result Alum); report (); 3 Catch (Alumber Format Exception : c2) Alag = 2; Cut = "Number Format Exception; "te1; Appoint ();		
	three news Arithmetic Exception (); */ Out = n2+" "4n2+""; "cout Alums n2/m2; Cut + = string value Q (routh Num); report (); 3 Cutch (alumber format Exception : c2) { Are = 2; Are = Number format Exception !		
	three of the first		
	three news Arithmetic Exception (); */ out = n2+" "+112+""; "couth Alums n3/m2; Couth = string value Q(vecuth Alum); report (); 3 Couth (Alumber format Exception (2) The "Number format Exception (2) The string value (); Alag = 2; Cut = "Number format Exception (2) Cut = "Number format Exception (2) Cut = "Number format Exception (2) ();		
	three of the first		
	three news Arithmetic Exception (); */ aut = n 2+" "4n 2+1"; Teaut Alum = n 2/n2; Cut + = string value Q(result Alum); report (); 3 Catch (Alumber Format Exception : c2) Alag = 2; Cut = "Number Format Exception; "te1; Appoint ();		
	three of the first		
2C 8	throw news Arithmetic Exception (); */ Out = n2+" "4n2+""; "recut Alums n3/n2; Out + = String value Of (recut Alum); report(); 3 Outch (Alumber Format Exception (2) 1		
-C s	three news Arithmetic Exception (); */ Out = n2+" "4n2+""; "couth Alums n2/n2; Cut+ = string value Q(create Num); report(); } Couth (Alumber format Exception (2) { flag = 2 ; Appoint (); } Cuth (Arithmetic Exception ca) if (g= 1); Out = "Norde by O Exception] "+23; Repairt (); } fusite void parit (Exception)		
2C x	throw news Arithmetic Exception (); */ out = n2+" "4n2+""; "4n2+""; Textus Alums n2/n2; Out + = String value Q(result Alum); reposit(); 3 Catch (Alumber format Exception (2) 4 40 = 2 ; Out = "Number format Exception (2) 4 41; 2apoent (); 3 flog= 1; Out = "Divide by O Exception] "+e1; 2apoent (); 3 Fully a point (Supples g) 4 Public Void point (Supples g) 4 [1403=0]		
2C 4	three news Arithmetic Exception (); */ aut = n2+" "4n2+""; Teaut Alums n3/n2; Cut + = string value Q(vestt Num); report (); 3 Cutch (Alumber Format Exception (2) flag = 2; Cut + = "Number Format Exception (2) (asch (Alumber Format Exception (2) * tel; Appoint (); Casch (Arithmetic Exception ex) * tel; Appoint (); } Cut = "Nivide by O Exception] "+e2; Repairt (); } public Verd point (Exaption (2) 4 * thing = 2 O a down Shimal Cut Putherault nex () + Dut Result nex		
el el	three news Arithmetic Exception (); */ aut = n2+" "4n2+""; Teaut Alums n3/n2; Cut + = string value Q(vestt Num); report (); 3 Cutch (Alumber Format Exception (2) flag = 2; Cut + = "Number Format Exception (2) (asch (Alumber Format Exception (2) * tel; Appoint (); Casch (Arithmetic Exception ex) * tel; Appoint (); } Cut = "Nivide by O Exception] "+e2; Repairt (); } public Verd point (Exaption (2) 4 * thing = 2 O a down Shimal Cut Putherault nex () + Dut Result nex		
al de la constante de la const	throw news Arithmetic Exterior (); "/ out = n2+" "+112+""; "executed home in 1/n3; Couch (Alumber hormat Exception (2) And a 2; Couch (Alumber hormat Exception (2) And a 2; Couch (Alumber hormat Exception (2) And a 2; Couch (Arithmetic Exception e2) Exception (3) And (4) Arithmetic Exception e2) Exception (4) And (5) And (6) Arithmetic Exception e2) And (6) Arithmetic Exception e2) And (6) Arithmetic Exception e2) And (6) And (7) Arithmetic Exception e2) And (7) Arithmetic Exception e2) And (8) Arithmetic Exception e2) Arithmetic Exception e2) Arithmetic Exception e2)		
	throw news Arithmetic Exception (); */ out = n2+" "yn2+""; Teauth Alums n2/m2; Cut+ = string value Q(result Num); report (); } Cutch (Alumber format Exception (2) { tag = 2 ; Cut = "Number format Exception (2) { tag = 2 ; Cut = "Number format Exception (2) { tag = 2 ; Cut = "Number format Exception (3) * + 2 ; **Report (); } Catch (Arithmetic Exception ca) * ** ** ** ** ** ** ** ** *		
	throw news Arithmetic Exterior (); "/ out = n2+" "+112+""; "executed home in 1/n3; Couch (Alumber hormat Exception (2) And a 2; Couch (Alumber hormat Exception (2) And a 2; Couch (Alumber hormat Exception (2) And a 2; Couch (Arithmetic Exception e2) Exception (3) And (4) Arithmetic Exception e2) Exception (4) And (5) And (6) Arithmetic Exception e2) And (6) Arithmetic Exception e2) And (6) Arithmetic Exception e2) And (6) And (7) Arithmetic Exception e2) And (7) Arithmetic Exception e2) And (8) Arithmetic Exception e2) Arithmetic Exception e2) Arithmetic Exception e2)		

	28		
	Label number 2 = new Label ("Number 2:" Label. Rige		
- 9	Dung - no Text Gold (5)		
- Marie	num2 = new Text Red (5); ("Result:", Label RIGHT):		
Algeria.			
	add (number 2);	where will some total	
The same	add (num 1);	Then a stone a week	
- C. P. S. S.	add (number 2);	weedt there a should	
-12-1-	and of the comment of the comment		
polich a	add (dResult);	Exception Display Table 1	
30	add (out Result);	The second secon	
	num 1. add Action like	tener (this);	
	num2 add Actionlis	tener (this);	
	dresult add Action lin	tener (this);	
Acres bette	addisindowlintener	(new Window Adapter ()	
	3	1 1 1 5 1 1	
	public void wir	dowclosing (Windowsert We)	
	4	EMUM, EMBINE	
100000	Syxtem . ex8+(0);	Poton A Pault ;	
	2 3	Lose	
	3);	Cut Paulit c	
	3	Creat-5	
Public You'd actionPerforme		formed (Achon Event ae)	
	4		
	int	annia di sant	
	n1,n23	The special state of	
	Control of the Contro		
	try	tuble transparagn	
100000000000000000000000000000000000000	1 (ar get Cave () == dRoutt) 1 (ar get Cave () == dRoutt) 1 (1)		
1000			
	The transmission of the Assault Co. Del.	E TO AND A TO THE PARTY OF THE	

CODE:

```
import java.awt.*; import java.awt.event.*; public class
DivisionMain1 extends Frame implements ActionListener
{
TextField num1,num2;
Button dResult;
Label outResult;
String out=""; double
resultNum; int
flag=0;
public DivisionMain1()
{ setLayout(new
FlowLayout());
dResult = new Button("RESULT");
Label number1 = new Label("Number 1:",Label.RIGHT);
Label number2 = new Label("Number 2:",Label.RIGHT);
num1=new TextField(5); num2=new
TextField(5); outResult = new
Label("Result:",Label.RIGHT);
add(number1);
add(num1);
add(number2);
add(num2); add(dResult);
add(outResult);
num1.addActionListener(this); num2.addActionListener(this);
dResult.addActionListener(this);
addWindowListener(new WindowAdapter()
{ public void windowClosing(WindowEvent
we)
```

```
{
System.exit(0);
}); } public void
actionPerformed(ActionEvent ae)
{ int n1,n2; try { if
(ae.getSource() == dResult)
{ n1=Integer.parseInt(num1.getText());
n2=Integer.parseInt(num2.getText());
/*if(n2==0)
throw new ArithmeticException();
*/ out=n1+" "+n2+" "; resultNum=n1/n2;
out+=String.valueOf(resultNum); repaint();
}
} catch(NumberFormatException
e1)
{ flag=1; out="Number Format
Exception! "+e1; repaint(); }
catch(ArithmeticException e2)
{ flag=1; out="Divide by 0
Exception! "+e2; repaint();
} } public void
paint(Graphics g)
{ if(flag==0)
g.drawString(out,outResult.getX()+outResult.getWidth(),outResult.getY()+outResult.
getHeight()-8); else g.drawString(out,100,200); flag=0; } public static void
main(String[] args)
{
```

DivisionMain1 dm=new DivisionMain1(); dm.setSize(new Dimension(800,400)); dm.setTitle("DivisionOfIntegers"); dm.setVisible(true); }

OUTPUT:

