ButtonDemo.java ×   lab10.java ×   TextFieldDemo.java ×

```java
import java.awt.*;
import java.awt.event.*;
public class lab10 extends Frame implements ActionListener{
    TextField num1,num2,res;
    String num3;
    Button div;
    String msg1="";
    String msg2="";
    public lab10()
    {
        setLayout(new FlowLayout());
        num1=new TextField( columns: 12);
        num2=new TextField( columns: 10);
        res=new TextField( columns: 8);
        Label number1=new Label( text: "Num1:",Label.RIGHT);
        Label number2=new Label( text: "Num2:",Label.RIGHT);
        Label result=new Label( text: "Result:",Label.RIGHT);
        div=new Button( label: "Divide");
        add(number1);
        add(num1);
        add(number2);
        add(num2);
        add(div);
        add(result);
        add(res);
        num1.addActionListener( l: this);
        num2.addActionListener( l: this);
        div.addActionListener( l: this);
        res.addActionListener( l: this);
```

Type here to search

ButtonDemo.java ×   lab10.java ×   TextFieldDemo.java ×

```java
27      num2.addActionListener( l: this);
28      div.addActionListener( l: this);
29      res.addActionListener( l: this);
30      addWindowListener(new WindowAdapter() {
31          public void windowClosing(WindowEvent e) {
32              System.exit( status: 0);
33          }
34      });
35  }
36  public void actionPerformed(ActionEvent ae)
37  {
38      String s=ae.getActionCommand();
39      if (s.equals("Divide"))
40      {
41          res.setText(divide());
42      }
43      repaint();

45  }
46  String divide()
47  {
48      float n;
49      int n1,n2;
50      try
51      {
52          n1=Integer.parseInt(num1.getText());
53          n2=Integer.parseInt(num2.getText());
54      }
55      catch(NumberFormatException nf)
```

```java
                catch(NumberFormatException nt)
56              {
57                  msg2="The input numbers should be integers";
58                  return "";
59              }
60  //          try {
61  //              n = (Float.parseFloat(num1.getText())) / (Float.parseFloat(num2.getText()));
62  //              num3 = String.valueOf(n);
63  //          }
64  //          catch(ArithmeticException e)
65  //          {
66  //              msg1="Cannot divide Num1 by zero";
67  //              return "";
68  //          }
69              if ((Float.parseFloat(num2.getText())==0))
70              {
71                  msg1="Cannot divide Num1 by zero";
72                  return "";
73              }
74              else
75              {
76                  n = (Float.parseFloat(num1.getText())) / (Float.parseFloat(num2.getText()));
77                  num3 = String.valueOf(n);
78                  return num3;
79              }
80  //          return num3;
81          }
82  @       public void paint(Graphics g)
83          {
```

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```java
71                  msg1="Cannot divide Num1 by zero";
72                  return "";
73              }
74              else
75              {
76                  n = (Float.parseFloat(num1.getText())) / (Float.parseFloat(num2.getText()));
77                  num3 = String.valueOf(n);
78                  return num3;
79              }
80  //          return num3;
81          }
82          public void paint(Graphics g)
83          {
84              g.drawString(msg1, x: 20, y: 100);
85              msg1="";
86              g.drawString(msg2, x: 20, y: 120);
87              msg2="";
88          }
89          public static void main(String[] args)
90          {
91              lab10 appwin=new lab10();
92              appwin.setSize(new Dimension( width: 380, height: 180));
93              appwin.setTitle("Division");
94              appwin.setVisible(true);
95          }
96      }
97
```

▶ 4: Run   ☰ TODO   ❶ 6: Problems   ▣ Terminal   ⚒ Build
Build completed successfully in 1 s 854 ms (6 minutes ago)

Type here to search

Division

Num1: | 105

Num2: | 5

[Divide]   Result: | 21.0

Division — □ ✕

Num1: 105   Num2: 5.89

Divide   Result:

The input numbers should be integers

Division

Num1: `105` Num2: `0`

[Divide] Result: `_____`

Cannot divide Num1 by zero