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quiz.java x wordtest.java x Division.java x index.html — git-test x player1.java x dept.html ●
1 import java.awt.*;
2 import java.awt.event.*;
3 class DialogB extends Dialog implements ActionListener
4 {
5     Division div;
6     DialogB(Frame parent, String title)
7     {
8         super(parent, title, false);
9         div=(Division)parent;
10        setLayout(new FlowLayout());
11        setSize(400, 150);
12        add(new Label(div.msg));
13        Button b;
14        add(b = new Button("OK"));
15        b.addActionListener(this);
16    }
17
18    public void actionPerformed(ActionEvent ae)
19    {
20        dispose();
21    }
22 }
23
24
```

```
quiz.java x wordtest.java x Division.java x index.html — git-test x player1.java
26 public class Division extends Frame implements ActionListener{
27     TextField num1,num2,result;
28     Button b1;
29     String msg="";
30     public Division()
31     {
32         setLayout(new FlowLayout());
33         Label num1p=new Label("Number1: ",Label.RIGHT);
34         Label num2p=new Label("Number2: ",Label.RIGHT);
35         b1=new Button("Divide");
36         Label resultp=new Label("Result: ",Label.RIGHT);
37         num1=new TextField(12);
38         num2=new TextField(12);
39         result=new TextField(12);
40         add(num1p);
41         add(num1);
42         add(num2p);
43         add(num2);
44         add(b1);
45         add(resultp);
46         add(result);
47         num1.addActionListener(this);
48         num2.addActionListener(this);
49         b1.addActionListener(this);
50         addWindowListener(new WindowAdapter()
51         {
52             public void windowClosing(WindowEvent we){
53                 System.exit(0);
54             }
55         });
56     }
57 }
```

```

59 public void actionPerformed(ActionEvent ae)
60 {
61     if(!((num1.getText().equals("")) && !(num2.getText().equals(""))){
62         try
63         {
64             int x=Integer.parseInt(num1.getText());
65             int y= Integer.parseInt(num2.getText());
66             int z;
67             z=x/y;
68             msg=""+z;
69         }
70         catch(NumberFormatException e)
71         {
72             msg = ""+e;
73             result.setText("");
74             DialogB d = new DialogB(this, "ERROR");
75             d.setVisible(true);
76         }
77         catch(ArithmeticException e)
78         {
79             msg = ""+e;
80             result.setText("");
81             DialogB d = new DialogB(this, "ERROR");
82             d.setVisible(true);
83         }
84     }
85     else
86     {
87         msg = " Number fields should NOT be EMPTY!";
88         result.setText("");
89         DialogB d = new DialogB(this, "ERROR");
90         d.setVisible(true);
91     }
92     //repaint();
93 }
94
95
96 public void paint(Graphics g)
97 {
98     result.setText(msg);
99 }
100 public static void main(String args[])
101 {
102     Division a=new Division();
103     a.setSize(new Dimension(500,200));
104     a.setTitle("Int-division");
105     a.setVisible(true);
106 }

```

[Finished in 1.2s]

**Division**

Int-division

Number1: 12      Number2: 0      Divide

Result:

**Division**

ERROR

java.lang.ArithmeticException: / by zero      OK