

20/2/24

LAB: 9

HWI

Date       
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```

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

class SwingDemo {
    SwingDemo() {
        JFrame jf = new JFrame("Divide App");
        jf.setSize(285, 150);
        jf.setLayout(new FlowLayout(1));
        jf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        JLabel jlab = new JLabel("Enter the dividend and divisor:");
        JTextField ajtf = new JTextField(10);
        JTextField bjtf = new JTextField(10);
        JButton button = new JButton("Calculate");
        JLabel csl = new JLabel("");
        JLabel alab = new JLabel("");
        JLabel blab = new JLabel("");
        JLabel anslab = new JLabel("");
        jf.add(csl);
        jf.add(jlab);
        jf.add(ajtf);
        jf.add(bjtf);
        jf.add(button);
        jf.add(alab);
        jf.add(blab);
        jf.add(anslab);
        ActionListener l = new ActionListener() {
            public void actionPerformed(ActionEvent evt) {
                System.out.println("Action event from a text field");
            }
        };
        ajtf.addActionListener(l);
        bjtf.addActionListener(l);
    }
}

```



bottom. addActionListener(new ActionListener() {  
public void actionPerformed(ActionEvent e) {  
try {

int a = Integer.parseInt(jTextField.getText());  
int b = Integer.parseInt(jbtf.getText());  
int ans = a/b;

alab.setText("A = " + a);  
blab.setText("B = " + b);  
anslab.setText("Ans = " + ans);

}  
catch (NumberFormatException e) {  
alab.setText("");  
blab.setText("");  
anslab.setText("");  
eoa.setText("Enter Only Integers!");

}  
catch (ArithmeticException e) {  
alab.setText("");  
blab.setText("");  
anslab.setText("");  
eoa.setText("B should be NON zero!");

}  
}  
jfm.setVisible(true);

}  
public static void main (String args[]) {  
SwingUtilities.invokeLater(new Runnable() {  
public void run() {  
new SwingDemo();



(10P) Enter divisor and dividend  
~~22~~ 8

calculate  $A=22$   $B=8$  Ans = 2

IS should be NON zero

Enter divisor and dividend:

5 0

calculate

Enter Only Integers!

Enter the divisor and dividend.

6.6m

calculate

~~20.02.24~~

~~20~~

3/9 number Arithmetic

1/11 the data

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