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Prog1 - Notepad
File Edit Format View Help

import java.awt.*;
import java.awt.event.*;

public class Prog1 extends Frame implements ActionListener{
    TextField Num1, Num2;
    Button divide = new Button("Divide");
    float res = 0;
    String error = "";
    public Prog1(){
        setLayout(new FlowLayout());
        Num1 = new TextField(1);
        Num2 = new TextField(1);
        Label Num1L = new Label("Num1: ", Label.RIGHT);
        Label Num2L = new Label("Num2: ", Label.RIGHT);
        add(Num1L);
        add(Num1);
        add(Num2L);
        add(Num2);
        add(divide);
        divide.addActionListener(this);
        addWindowListener(new WinAdapter());
    }

    public void actionPerformed(ActionEvent ae){
        if(ae.getSource() == divide){
            try{
                int n1 = Integer.parseInt(Num1.getText());
                int n2 = Integer.parseInt(Num2.getText());
            }
        }
    }
}
```

Ln 14, Col 56    150%    Windows (CRLF)    UTF-8

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```
        res = (float)n1/n2;
    }catch(NumberFormatException exception){
        res = 0;
        error = "Entered number is not an integer.";
    }catch(ArithmeticException exception){
        res = 0;
        error = "You tried to divide by zero.";
    }
    repaint();
}

}

public void paint(Graphics g){
    g.drawString("Result: " + String.valueOf(res), 20, 100);
    g.drawString("Error: " + error, 20, 150);
}

public static void main(String[] args) {
    Prog1 p = new Prog1();
    p.setSize(new Dimension(400,250));
    p.setTitle("Divide");
    p.setVisible(true);
}

}

class WinAdapter extends WindowAdapter{
    public void windowClosing(WindowEvent we){
        System.exit(0);
    }
}
```

```
Command Prompt - java Prog1
Microsoft Windows [Version 10.0.18363.1256]
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C:\Users\91957>cd desktop
C:\Users\91957\Desktop>cd java lab
C:\Users\91957\Desktop\java lab>javac Prog1.java
C:\Users\91957\Desktop\java lab>java Prog1
```



Divide

Num1:  Num2:

Result: 0.6296296

Error: