

Using JOptionPane – Sample Code

```
AverageGUI.java - Notepad
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/* AverageGUI.java
   Using JOptionPane
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   Date: 01 May 2018 */

import javax.swing.JOptionPane;

public class AverageGUI {
    public static void main(String args[]) {
        // variable declarations
        String str1, str2, str3, output;
        int a, b, c, sum;
        float average;

        // input
        str1 = JOptionPane.showInputDialog(null, "Please enter the first number: ",
                                           "Input", JOptionPane.QUESTION_MESSAGE);
        a = Integer.parseInt(str1); // converts string to integer
        str2 = JOptionPane.showInputDialog(null, "Please enter the second number: ",
                                           "Input", JOptionPane.QUESTION_MESSAGE);
        b = Integer.parseInt(str2);
        str3 = JOptionPane.showInputDialog(null, "Please enter the third number: ",
                                           "Input", JOptionPane.QUESTION_MESSAGE);
        c = Integer.parseInt(str3);

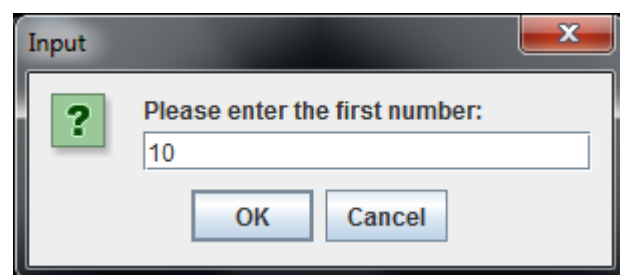
        // processing
        sum = a + b + c;
        average = sum / 3;

        // output
        output = "The average is " + String.format("%.2f", average); // formats to 2 decimal places
        JOptionPane.showMessageDialog(null, output, "Result", JOptionPane.INFORMATION_MESSAGE);
    }
}
```

```
Administrator: C:\WINDOWS\system32\cmd.exe

C:\Temp>javac AverageGUI.java
C:\Temp>java AverageGUI
```

Sample Run



Input

?

Please enter the second number:

20

OK Cancel

Input

?

Please enter the third number:

30

OK Cancel

Result

i

The average is 20.00

OK