

Problem Analysis

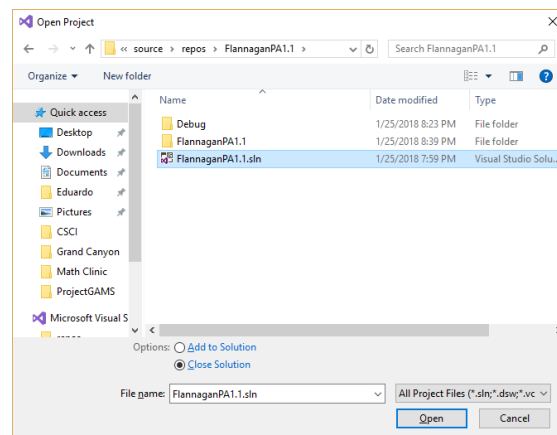
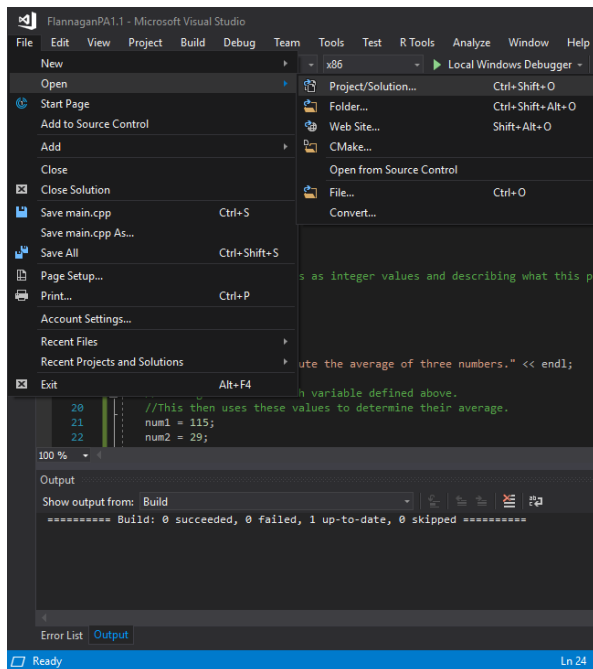
This program needs to allow us to call commands without attaching a prefix to them. It also needs to calculate and display the average of three numbers: 115, 29, and -15. These three numbers serve as our data. The output we wish to see is the average of 115, 29, and -15. This output should take the form of a real number.

Algorithm

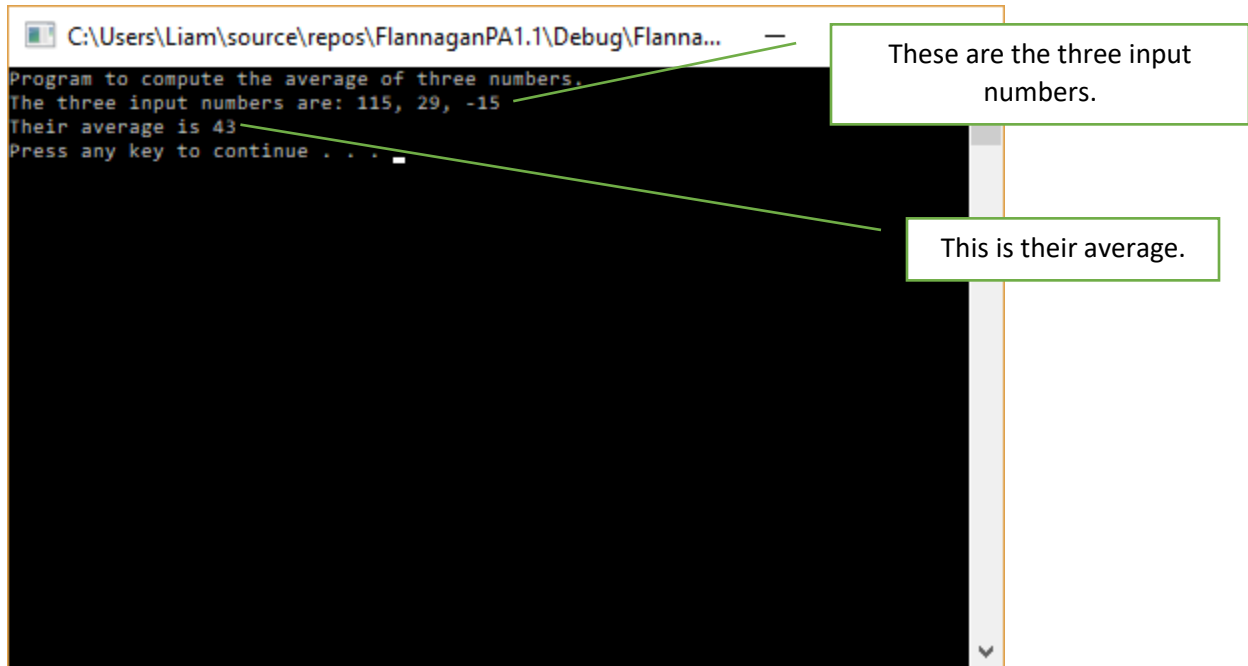
1. Create the number variables: num1, num2, num3, average.
2. Set each number equal to its specified value: num1=115, num2=29, num3=-15 and average = (num1+num2+num3)/3
3. Output the value of the variable *average* as well as the three numbers, *num1*, *num2*, *num3*, used to calculate that value.
4. Terminate program.

User Documentation

In order to run this program, open **Visual Studio**, and navigate to the **File → Open → Project/Solution** and select the **FlannaganPA1.1** file.



Once you have done this, select the **Local Windows Debugger**. This will open a new window, that looks very similar to command line. Here you will see the output from this program.



The screenshot shows a Windows command prompt window with the title bar "C:\Users\Liam\source\repos\FlannaganPA1.1\Debug\Flanna...". The text inside the window is as follows:

```
Program to compute the average of three numbers.  
The three input numbers are: 115, 29, -15  
Their average is 43  
Press any key to continue . . .
```

Two callout boxes with green borders and lines pointing to the text in the window are present:

- A callout box pointing to the line "The three input numbers are: 115, 29, -15" contains the text: "These are the three input numbers."
- A callout box pointing to the line "Their average is 43" contains the text: "This is their average."

Press any key to exit this new window.