Lab 2: C# Flow Control

In this lab, you will be writing console-mode applications in C#, containing selection and repetition structures.

Prelab

Read Module in the "C# for Beginners" guide and watch the associated videos in the MVA "C# for Absolute Beginners" online course.

Create a **lab2** folder. Use one of your previous programs as a template.

Instructions

Solve the following programming problems. Each program should be in the form of a separate Visual Studio project (and folder). **Each program should also have a comment block at the top** (see notes for details.)

1. Write a program that asks for the temperature outside, and prints "too hot" if the temperature is above 72, and "too cold" otherwise.

2. Modify the program from the previous exercise so that it prints "too hot" if the temperature is above 75, "too cold" if the temperature is below 68, and "just right!" if it is between 68 and 75.

3. Write a program that reads a list of numbers (on separate lines) until the number 999 is read, and then prints the total of all the numbers added together. (Be sure not to add in the 999!) For example, if you enter 1, 2, 3, and 999, the program should reply with the answer of 6 (1+2+3).

4. Write a program that prints the numbers from 1 to 100. But for multiples of three print “Fizz” instead of the number and for the multiples of five print “Buzz”. For numbers which are multiples of both three and five print “FizzBuzz”. (Start with Practice Question 2, on p. 10).

5. "Guessing Game" lab on pp. 10 and 11.

Due Date

All programs should be completed and submitted by end-of-day, Friday, March 31, 2017.