Assignment 1

CS321 Winter 2023, Professor Christopher Diggins
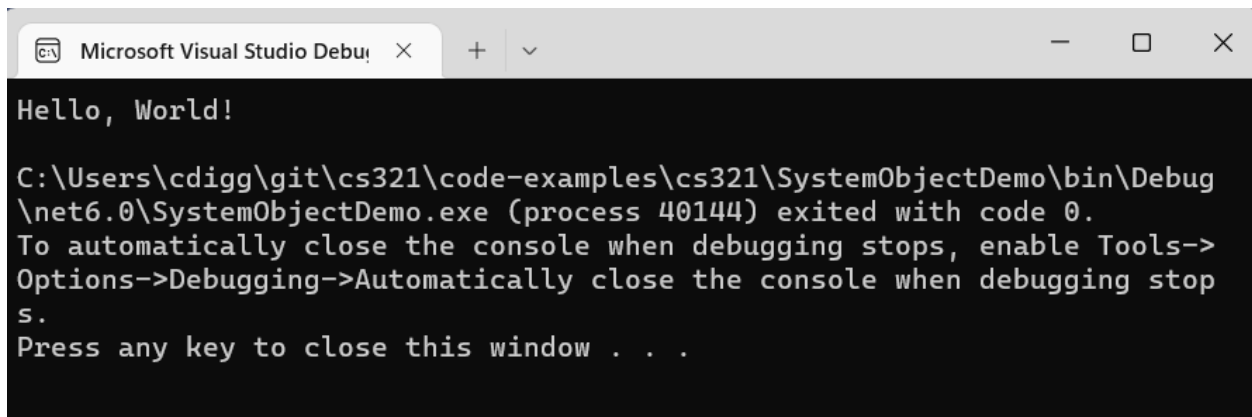
Assigned: Tuesday January 17th, 2023

Due: Thursday February 2nd, 2023

Part 1

Download and Install Visual Studio Community on your Personal Computer

1. Create a Hello World Console Project
2. Run it
3. Take a screenshot of the output (should like the image below)
4. Submit the screenshot as cs321-assg1-part1.png

Part 2

Write a simple program that lists the contents of a directory (like "dir").

1. Submit the following work in a single text file: cs321-assg1-part2-plan.txt
   a. A list of hypothetical functions that you think you will need
   b. Some high-level pseudo-code (reasonable attempt)
   c. A list of actual C# functions you find online that you think might help you
2. Write a working C# program using .NET Framework 6.0. Submit the main source file as "Assg1Part2Program.cs" and submit the project file as "Cs321Assg1Part2.csproj".
3. Demonstrate it working and submit a screenshot: cs321-assg1-part2.png.

Grading Criteria

1. Part 1:
   a. Screenshot: **2 Point**
2. Part 2:
   a. Plan:
      i. List of hypothetical functions: **1 Point**
      ii. Pseudo-code: **1 Point**

        iii. List of C# functions that might help: **1 Point**
- b. Actual code:
  - i. Understandable and with comments: **1 Points**
  - ii. Valid C# 10 and .NET 6 code: **1 Point**
  - iii. Uses at least one function other than main: **1 Point**
- c. Project:
  - i. Compiles, Runs, and works on my test directory: **1 Point**
- d. Screenshot: **1 Point**
- e. Bonus:
  - i. Outputs sizes and dates of files: **1 Bonus Point**

3. Total: **10 Points + 1 Bonus Points**