Click or tap here to enter text.Click or tap here to enter text.Click or tap here to enter text.@mySeneca.ca  
Click or tap here to enter text.

**Submit ONLY this MS Word .docx file with your answers.**Skipping the details in the instructions document skips marks.

**Part 1: Visual Studio Community introduction (33.3%)**

1. Are you working on Windows, macOS, Linux? Something else?  
The code editor / IDE you usedto for the demohelloWorld.c source file was…?

OS platform: Windows 11  
code editor/IDE: VScode

2. Where is your helloWorld.c source file? Paste its Full Path in the box:

https://github.com/ArashkKH/Seneca-Assignments/blob/main/CPR/Week%201/helloWorld.c

3. What is in the helloWorld.c file? Source code, of course.Copy the **text**of the customized source statements from your code editor / IDE and paste below. You should edit the sample c code given( Check page 6 of CP4P\_visual\_studio\_demo.pdf file).

Paste .c here with Merge Formatting (M) or Keep Text Only (T)  
*/\* Thanks to Brian Kernighan, 'Hello World' is the traditional first C program. It became*

*legendary with the publication of "The C Programming Language" by Kernighan and Ritchie (1978).*

*Now, Hello World is the canonical test of any programming language. \*/*

*/\* ---------------------- Full Name : Arash Kheirollahi --------------------- \*/*

*/\* ------------------------- Student ID# : 146731245 ------------------------ \*/*

*/\* ---------------- UserID / Email : akheirollahi@myseneca.ca --------------- \*/*

#*include* <stdio.h> *// C language module providing Input/Output facilities*

int *main*(void) *// main() is automatically called to start a C program*

{

*printf*("Hello, World!\n");

*printf*("\nMy name is: Arash Kheirollahi\n");

*printf*("\nMy Student ID is: 146731245\n");

*printf*("\nMy Email is: akheirollahi@myseneca.ca\n");

*// Why I came to Seneca ...*

*/\* insert printf statements here using code completion \*/*

*return* 0; *// return to operating system*

}

***N.B.*** *there is no need to submit the VS project or the .c source file itself with this week's activity…just your C code in theabove answer box.*

**Part 2: Source Code editing (33.3%)**

4. Explain what your editor's code completion feature does for you and how you use it when writing code. E.g. IntelliSense

Basically VsCode help me to identify syntax errors using the integrated compiler in the IDE and it helps me to understand the code much better since it highlights different syntaxes with different meaning in colors, so for example whenever I see a random word colored in blue, I have a que that it might be a variable – it also gives me many different tools to help me write my code much easier and more efficient, tools like beautify , snippets and other extensions that I might find helpful on the way.

5. Other than the system-wide shortcuts (e.g. Ctrl+ Save, Zundo, Xcut, Copy, Vpaste, Find), what three shortcuts will you find useful in your source code editor and explain why.

1. alt + (up arrow or down arrow) 🡪 for replacing the current line my charet is placed.
2. ctrl + D 🡪 selecting multiple words that I have selected through the document so I can rename or rewrite some code at the same time.
3. hitting F2 on a variable 🡪 helps to rename in variable all through the project.
4. ctrl + / 🡪 turns the current line into comment line.
5. ctrl + h 🡪 helps you to find a term in document and change it to a specific desired term (it also support regex)
6. ctrl + G 🡪 goes directly to a line of code you put the number of.
7. many more …

6. Compare the efficiency of using a mouse verses a keyboard when editing source code. (Sure, you are probably faster using a mouse now. But after thousands of lines of code compared to someone who uses mostly keyboard shortcuts?)

Personally I really enjoy both but I keep my self from switching to another, for example when I’m using keyboard to work on a file I don’t like to use the keyboard as far as I can, but when I have to use mouse for a certain action I just have to switch.

**Part 3:** **Managing and Backing up your files (33.4%)**

7. 🡺 Where will you keep the active version of your files?

1. on a USB drive with copies on your computer and OneDrive
2. in Microsoft 365 OneDrive with copies on your computer and USB
3. on your computer with copies on OneDrive and USB

… and why did you decide that?

1. GitHub
2. Telegram Cloud
3. On my phone
4. USB Drive
5. My home PC

8. On a practical basis, how will you manage your files between home and school so that you work only with the active file, never change the copies, but keep the copies up to date with the active file after changes?

I use GitHub for organizing my files and have a version history of all the files, usually people use GitHub only for projects and other similar tasks, but when I want to version any kind of files I make a repository for it and have access to it anywhere.

9. Considering the many issues discussed in the instructions:

Where are the locations of your two backup copies?

In my Telegram cloud and GitHub repository

How frequently do you do a backup?

Not so frequently

Exactly how does the backup get done?

Usually by uploading on archive chat or making a commit on GitHub

If your active files became completely unavailable and unrecoverable tomorrow morning, what would you do after the panic subsides?

I don’t know, probably I have to rewrite what I need over.