**Part 1 of 4: Visual Studio Community introduction (25%)**

* What code editor / IDE did you use to create the demonstration helloWorld.c source file?   
  And what platform was that on: Windows, macOS, Linux?

Visual Studio 2019 , Windows

* Where is your helloWorld.c source file? Find the file and paste its Full Path in the box:

C:\Users\SANGHWA\source\repos\CP4P\_W1

*(Hints at using File Explorer to find your Visual Studio project's files are in the VS demo document.)*

* What is the content within the helloWorld.c file? Your source code, of course.  
  *Copy the text of your customized source statements from the Visual Studio editor and paste in the box below using the Paste Option to either Merge Formatting (M) or Keep Text Only (T).*

Hello, World!

This is Sanghwa Suh

***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 above.*

**Part 2 of 4: Proper naming convention and having correct file extensions (25%)**

* Describe what happens and what you see when the file is dropped into Firefox (preferred) or any other browser. It will not be as expected from the file extension.

lunamoth.html 🡪 Encrypted characters appear on the screen such as "ççççïççïÞççÞÞçÞççÞÞçÖ"

lunamoth.jpg 🡪 The image cannot be displayed because it contains errors.

lunamoth.txt 🡪 Encrypted characters appear on the screen such as “ÿØÿà JFIF ` ` ÿÛ C”

lunamoth.bmp 🡪The image cannot be displayed because it contains errors.

Now, rename each file **adding** the proper extension until all four files are opened correctly by their default applications. e.g. rename **lunamoth.bmp** to **lunamoth.bmp.???** in order to keep track of which extension was renamed to another extension. Only the last extension on a file’s name is used by the operating system.

* What are the new names of the files?

lunamoth.html.*bmp*

lunamoth.jpg.*html*

lunamoth.txt.*jpg*

lunamoth.bmp.*txt*

* What does this experience tell you about the importance of file names and their extensions? Did the renaming of these files have an effect on the data contained within the files?

I understood the importance of setting file names and extensions correctly so that they open in appropriate manner.

**Part 3: Working with a removable USB drive and a local drive while doing common file/directory operations**  **(25%)**

* What happens to the files (not their content) when you select the lunamoth files in your original folder, then drag and drop them in the new folder on your **USB drive or the D: drive, i.e. when the target drive is *different* from the source drive**…  
  are the files MOVED or COPIED?

Files are copied.

* What happens to the files (not their content) when you select the lunamoth files in your original folder, then drag and drop them in the new folder on the **C: drive, i.e. when dragging to a different folder within the *same* drive**…  
  are the files MOVED or COPIED?

Files are moved.

* What happens when you drop a file while holding the Ctrl key and releasing the Left mouse button?

The default behavior is performed as opposed to when the Ctrl key is not pressed on drive C. The default behavior does not change on a USB drive.

Programmers almost always click, drag, and drop using the **right** mouse button.

* What happens when you drag and drop a file using **right** mouse button?

The default behavior is the same as using the left mousse button, but the difference is that simply copying or moving a file will display a list of options for the system to confirm the desired action.

* After deleting a file from the PC's internal drive, can you restore it? If so, how?

Yes, it can be restored. It can be restored from trash bin or can be done by pressing Ctrl + Z

* How can a file on the PC's internal drive be deleted permanently?

By pressing Shift + Delete button

* After deleting a file from your USB drive, i.e. an external drive, can you restore it? If so, how?

Using some tools or software can restore the files.

**Part 4: Backing up your files (25%)**

For the next question, if you do not have a USB drive with you, just work with OneDrive and the Content System.

🡺 Can you edit a text, source code, and/or MS Office file stored…

* + directly on your USB drive?
    - If so, how? If not, what must you do to edit a file stored there?

Yes, I need to open the file and edit it. The file will be changed directly on USB drive after saving the file.

* + directly in the Blackboard Content System?
    - If so, how? If not, what must you do to edit a file stored there?

No, It is not possible. I have to download the file and then edit it.

* + directly on Office 365's OneDrive?
    - If so, how? If not, what must you do to edit a file stored there?

Yes, It can edit and upload documents through one drive, and the modified files are automatically synchronized and updated when the Internet is connected.

You can store and work with your Visual Studio projects (in **repos** or **Projects** folder) directly on a USB drive or your Office 365 OneDrive at Seneca.

* It takes effort to copy files and directories from a USB drive or the Content System or OneDrive to the local drive, work with and save them locally, and then transfer the local files back. Is it worth the effort? Why or Why not? What are the benefits and risks in having the same file on your local system and on a removeable drive or remote system?

It makes the entire process to run much easier and just in case there exits a problem with the file, I can copy and paste the original file. The key point is the safety. If I save the file in a local drive, I can always refer back to it even if a problem rieses.

You can work with your Visual Studio projects directly on your own laptop, a USB drive, a personal OneDrive, or your Office 365 OneDrive. Make *one* of those your standard practice. Choose a different one for your backup. To distinguish the back up from your active version, put the repo into a zip file.

* What are the two locations of your backup?

One drive and USB drive