OOP244 Activity: Set up the programming environment on your computer.

Note: You should try to finish this activity during the scheduled lab hours or anytime before the

scheduled lecture hours. This will help you to complete Workshop 1 successfully.

**A. Download and install Notepad++.**

1) Purpose: use of a text editor to create a C program.

2) **Download link: https://notepad-plus-plus.org/downloads/.**

3) Testing

a) Type a little C++ program and save it to a file (named as **little.cpp**).

(e.g. https://www.programiz.com/cpp-programming/examples/print-sentence)

This file will be used for testing in E.3.

4) More information (How To Use Notepad++):

https://www.wikihow.com/Use-Notepad%2B%2B.

**B. Download and install Putty.**

1) Purpose: connect your computer to a remote computer (e.g. matrix server at

Seneca).

2) **Download link: https://www.putty.org/.**

3) Testing

a) You must download another program (GlobalProtect) from Seneca VPN first.

b) You may then do the testing on Putty. (See C. 4 below.)

**C. Download and install GlobalProtect.**

1) Purpose: use of Seneca VPN.

2) **Download link: https://inside.senecacollege.ca/its/services/vpn/.**

3) Testing: https://inside.senecacollege.ca/its/services/vpn/.

4) **Testing with Putty: connect with the matrix server.**

a) Run the Putty program.

b) Enter “matrix.senecaollege.ca” as the name of the server.

c) Enter your username and password (as used in accessing Blackboard).

**D. Download and install Microsoft Visual Studio 2019 (Community Edition).**

1) Purpose: use of an IDE to create, compile and run a C++ program.

2) **Download link: https://visualstudio.microsoft.com/vs/community/.**

3) Testing

a) Do Workshop 1.

**E. Download and install WinSCP.**

1) Purpose: use of FTP software to transfer a C++ program to the matrix server.

2) **Download link: https://winscp.net/eng/download.php.**

3) Testing

a) Transfer (i.e. FTP) **little.cpp** from your computer to the matrix server.

b) Use Putty to connect to the matrix server.

c) Type the Linux command: ls.

d) You should see the file name “little.cpp” on the computer screen.

e) Do Workshop 1.