

CSCE 121 8/29 Lab:

1. Make sure you have a text editor/IDE downloaded on your personal laptop
2. Write a simple "Hello World" program on a text editor
 - a. Hint: The program might be available in the Introduction Lecture
3. Compile and Run the Program
 - a. For Windows using PuTTY:
 - i. Connect to Hostname: compute.cs.tamu.edu and login
 - ii. Go to the folder the code is located
 - iii. Compile using: `g++-7.2.0 -std=c++17 <filename> -o <executable>`
*Note: <filename> is the name of the file and <executable> is the name you are giving for the executable
 - iv. Run using: `./<executable>`
 - b. For Mac using Terminal
 - i. Connect to server using: `ssh <username>@compute.cs.tamu.edu` and login
 - ii. Go to the folder the code is located
 - iii. Compile using: `g++-7.2.0 -std=c++17 <filename> -o <executable>`
*Note: <filename> is the name of the file and <executable> is the name you are giving for the executable
 - iv. Run using: `./<executable>`
4. Show TA/PT your completed program and start working on the drills on assignment #1

How to Use Visual Studio

1. File -> New -> Project
2. On left side click Visual C++, pick Empty Project, and then give it an appropriate name
3. Right click source files on the right side of the screen then Add -> New Item
4. Add a C++ File (.cpp) and name it accordingly
5. Type in Hello World Program
 - a. *Note: On Visual Studio type in **system("pause");** before return 0; to keep the output window open
6. Click Local Windows Debugger with the green play button at the top to run the program

How to use XCode

1. File -> New -> Project
2. Choose macOS and command line tool as the template
3. Give it a project name, organization identifier, and choose C++ for language
4. Edit main.cpp into the Hello World program
5. Build and run the program by clicking the "play" symbol at the top or manually build and run the program by going to Product -> Build then Product -> Run