How to Setup a Workchain for the Assignments

In order to do the homework assignments, you are required to access a c compiler toolchain and environment. For this course you don't need complex IDEs or debugging tools. The recommended tool is GCC.

Windows

- Download and setup MinGW compiler binaries from (http://www.mingw.org/)
- Add MinGW executable directory to the system PATH environment variable.
- gcc will be callable from Windows Command Line Interface.
- The simplest command you need to use in order to compile a c program is as follows: g++ -o test.exe test.cpp
- In order to run the compiled program, from command line, call text.exe
- For further instructions and available options, please read gcc tutorials and references which are available on the internet.

Linux/Unix

- Make sure that your distribution has gcc installed.
- Most distributions come with the necessary build tools installed. In order to test it, just try to call gcc. If the package is missing, download it using the available package manager.

MacOS

- A version of GCC is available for macOS. You don't need setup xcode but you need a developer account in order to download a command line version of the required build environment.
- Once you have your developer account ready, you can download and install the command line tools (https://developer.apple.com/downloads/index.action#)
- After the installation, gcc will be available to you from terminal interface.