CPSC 327 Project 1

This project introduces you to the GNU compiler for C++. All you need is an editor (VSCode, Sublime, micro, nano...whatever you like) and the GNU toolchain. Dont have the toolchain? See the course website for installation instructions.
This is the only project you will do without an Integrated Development Environment (IDE) like Eclipse. Its should give you an idea of how the compiler and make system works.

Get the starter projects

(link)
main.cpp
makefile

Make sure it compiles and runs

- use g++ to compile to executable named myexe
- Note that myexe has no extension
- run from terminal window

(40%) Move function func()

- create myfunc.cpp and myfunc.h
- move the function from main.cpp to myfunc.cpp and .h
- remember include guards, also never #include a .cpp file
- Make sure it compiles and runs with your changes

(40%) Edit the makefile for this project so that:

- the compiler correctly compiles and links main.cpp. myfunc.cpp and myfunc.h to an executable named myexe whenever the user types make at a terminal prompt.
- correctly cleans all the compile products (.o and executables) whenever the user types make clean at a terminal prompt.

(20%)Push your solution to a git repository (github, bitbucket, gitlab etc…)

You should push 4 files to your repository;
main.cpp, myfunc.cpp, myfunc.h, makefile

Submission:

Blackboard cannot seem to handle a simple link submission (sigh...). So please submit a file called submission.txt, in this file please have a single line with a link to your git repository. My script will open the file, get the link clone your repo and then test as annotated below. The line should look like this:

https://github.com/CNUClasses/1_gcc_demo.git

I will test by;

Cloning your repository
Compiling with g++
Running main (the executable) and testing its output
Running ‘make’ and verifying correct executable generated
running ‘make clean’ and verifying that all compile byproducts are removed

Potential Gotchas:

Filenames are case sensitive, F.cpp is not the same as f.cpp