Testing assignments using CMake (Linux)

1. Download the assignment zip file for the assignment you want to test from Connex.
   Ex. "02_assign-provided.zip"
2. On left side of connex page, click on **Resources** tab**.** Near the top of the page, under **Resources**, click on the **Transfer Files** tab. Follow the instructions to set up WebDav – this will allow you to transfer files from this site to your computer.
3. From your WebDAV window or corresponding drive letter, navigate to: **cmake** -> "assignment folder you want to test". There will be two files here: CMakeLists.txt, and a ".cmake" file. Copy these files to your system.
4. Open your command prompt/terminal, sign into the schools servers. Enter following commands:
   cd ~
   vim ~/.bashrc   (read up on **.bashrc** if you want to know what this does)
   Navigate to bottom of .bashrc file and enter commands:
   export CC=/usr/bin/clang
   export CXX=/usr/bin/clang++
   PATH=$PATH:/home/dmg/cmake/bin
   Press **ESC** key and type:
   :wq , then press **enter.**   (saves and quits .bashrc)
5. Navigate to your current working directory:
   Ex. **cd /home/<your username>/csc116**
6. Open FileZilla (or similar cross-platform FTP application), start a connection with the schools servers.
7. In FileZilla, Drag and drop your assignment zip file from your computer into your working directory on the schools server.
8. In your command prompt/terminal, enter command:
   unzip 02_assign-provided.zip   (emplace of **02_assign-provided.zip**, put the file you copied)
   You'll now have a directory with that assignment name. Ex. 02_assign
9. Navigate to that directory. Enter command:
   cd 02_assign
10. From FileZilla, drag and drop two other files, CMakeLists.txt, and a ".cmake" file, into your new directory **02_assign**. Also, delete the .cpp file that's in this directory and replace it with your current version of it.
11. In your command prompt/terminal, enter command:
    mkdir build
    cd build
    cmake ..   (once cmake successfully runs, you don't have to do it again. You
    make   only need to run make and make test from that point on.)
    make test

    Make sure in your assignment directory you have: all contents of the original zip file, only your version of the .cpp file, a build directory, and the two files: CMakeLists.txt, and a ".cmake" file.
    Each assignment you test will have its own directory and contents listed above.