Assignment 1a: Installs

Description: In this part of the assignment, you will install a virtual machine (VM), install Ubuntu to that VM, and install git.

Background

- Learn the basics of Ubuntu (also linked in the .pdf linked below).
- Learn the command prompt (also linked in the .pdf linked below). Note there are official class video links on that page. Part 1 is required viewing. Part 2 is optional.

Tasks (see below for alternate assignment - **approval required**)

- Follow the VM instructions to download Ubuntu, download VirtualBox, install the VM, run the VM, and install Ubuntu and git. You don't need to know what git is at this point, but if you would like to know more, read this.
- Make sure your VM runs and you can work in that environment by opening applications, make sure your browser works and can get online, and you can run a command prompt all within the VM.

Alternate setup 1 (approval required): It is possible some of you already have a Linux installation, IDEs, etc. If you have your own installs that match the requirements here, you may use your current setup so long as you meet the requirements listed here. If this applies to you, send an email and explain your setup for approval to submit your own alternate Linux setup.

Alternate setup 2 (approval required): If you believe you have a complete and matching MacOS development environment, complete with appropriate g++ and Python installs, and you want to use that, you may, with the following caveats. Understand you are on your own; MacOS will not be supported by the instructor. Understand that some aspects of the MacOS development environment and tools will create non-compliant code. It is 100% up to you to conform your code to standard GNU/g++ standards. This setup is **not recommended,** but students have made it work. If this case applies to you, send an email and explain your setup for approval to submit your own alternate MacOS setup.

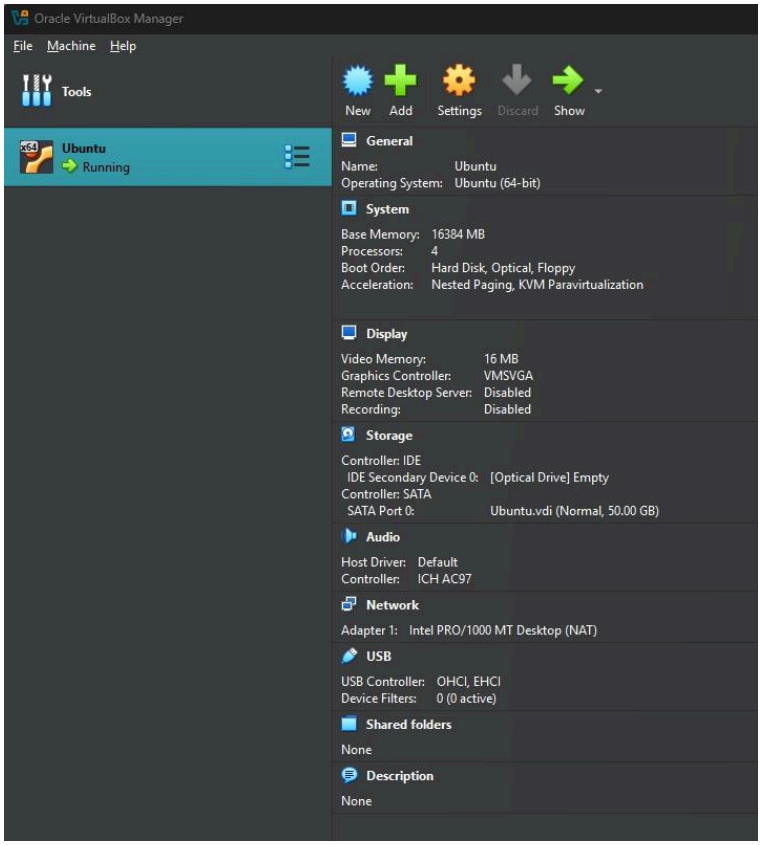
Submission:

1. A screenshot of your running VM configuration (example below).
2. A screenshot of the desktop with a command prompt window and the results of the commands **python --version** and **g++ --version** and **git --version** (example below). Make sure you capture the entire desktop to prove you are running Ubuntu and can run a command prompt.

Submit the files through Blackboard. **Do not zip the files;** just drop them into the submission area.

Examples on the next page.

Examples: Your VM configuration does not need to be the same; it will be different depending on your hardware.



Make sure to show the desktop in the background so it is clear you are in a VM.