**Assignment #1**

**Objective**

Become familiar with the UNIX command-line

**Due**

Before class on Jan 11th. Please send to Dr. Ficklin the completed tasks before the beginning of class via a private message on slack. This will be the only assignment you will turn in via this manner. All future assignments will be turned in via a personal GitHub repository which you will setup on day 2. Full credit will be earned upon completion of the assignment regardless of correctness.

**Tasks**

1. Complete the Command-line Crash Course (Appendix A, Shaw pages 294-327). Please complete one of the following options.

Appendix A in the Shaw text provides the essentials for working on the command-line. However, there is a lot more to the command-line than this. These commands provided are needed to perform the rest of the work in this class. We will learn some more useful command-line commands later in the course. In the text, you will find a series of sections titled “You Learned This” and “Do This” or “Do More”. Because this is an Appendix, the sections titled “You Learned This” are meant to imply that you have already done a command-line introduction, which you have not. So, treat those sections as first-time lessons. The author provides examples for Windows, MacOS and Linux. You can ignore the sections that do not apply to the operating system you are using.

* 1. *Option #1: For those of you who have never used the command-line before.*
     1. This option is more work, but will ensure you fully grasp the concepts of the command-line
     2. If you are new to the command-line then read through the assigned pages and perform all the “Do This” and “Do More” sections. You can stop at section 15.16.2.
        1. Cut-and-paste all the commands you entered and the resulting text that appeared in the terminal from the steps above into a word document to be turned in. Be sure to add the section header This document may get rather long. That is okay.
     3. *Note*:
        1. Remember ***not*** to cut-and-paste the commands. Type each one to help promote memory learning.
        2. If you are using PowerShell on windows do not close PowerShell or you will lose your history. It is best to cut-and-paste as you go so as not to lose any work.
  2. *Option #2: For those of you who are you already familiar with the command-line.*
     1. If you are accustomed to the command-line, please demonstrate your ability to use these commands: *pwd, mkdir, cd, ls, rmdir, pushd, popd, touch, cp, mv, less, more, cat, rm*. You can do so, but opening a terminal and demonstrating the use of each one. Cut-and-paste all the commands you entered and the resulting text that appeared in the terminal from the steps above into a word document to be turned in.