# Assignment #1

## Objective

Become familiar with the UNIX command-line

## Due

Before class on Jan 16th. 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 288-328). 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 are needed to perform the rest of the work in this class. 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 55.16.2.
        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 from the text into your terminal. 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 your work into the Word document 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 by 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.

paige@LAPTOP-HFAV9LN5 ~

$ mkdir AFS505

paige@LAPTOP-HFAV9LN5 ~

$ cd AFS505/

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ mkdir 1111

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ mkdir 2222

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ ls

1111 2222

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ touch exmaple.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ ls

1111 2222 exmaple.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ cp exmaple.txt 1111/

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ ls 1111/

exmaple.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ mv exmaple.txt 2222/

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ ls 2222/

exmaple.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ dirs -v

0 ~/AFS505

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ pushd 1111/

~/AFS505/1111 ~/AFS505

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ dirs -v

0 ~/AFS505/1111

1 ~/AFS505

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ popd

~/AFS505

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ pwd

/home/paige/AFS505

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ nano merge.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ head merge.txt

askjda

sdklnasjnd

sadjasndjk

asdaskjdna

sdjkansdjkna

asdjnaskjdn

asdjkansdjkn

asdnklasndkla

sdjknalsdn

asdnjkansjkd

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ less merge.txt

askjda

sdklnasjnd

sadjasndjk

asdaskjdna

sdjkansdjkna

asdjnaskjdn

asdjkansdjkn

asdnklasndkla

sdjknalsdn

asdnjkansjkd

asndjansdn

asdnlasndkla

lkskanjdalj

merge.txt (END)

[1]+ Stopped less merge.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ cat merge.txt exmaple.txt > here\_ya\_go.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ head here\_ya\_go.txt

askjda

sdklnasjnd

sadjasndjk

asdaskjdna

sdjkansdjkna

asdjnaskjdn

asdjkansdjkn

asdnklasndkla

sdjknalsdn

asdnjkansjkd

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ rm \*.txt

paige@LAPTOP-HFAV9LN5 ~/AFS505/1111

$ ls

paige@LAPTOP-HFAV9LN5 ~/AFS505

$ rmdir 1111/