

# UNIX Lab #1

1 pt

Due Date: 01/31 11:59 pm

## Instructions:

- Read the “About this module” file before starting this lab
- Go to <http://lynda.psu.edu/> and sign in using your PSU credentials
- After you logged in, use the search box to look for “Unix for Mac OS X Users”
- Watch the Chapter 1 and 2 videos. It is important to take notes as Unix-related questions will be always asked in exams.
- After you are done watching the videos, complete the exercises below and do the quiz on CANVAS

Before you start:

- Complete the section “Getting access to UNIX” in the “About this module” file
- Learn how to take screenshots of a window:
  - o Mac users: <https://support.apple.com/en-us/HT201361>
  - o Windows users: <https://support.microsoft.com/en-us/help/13776/windows-use-snipping-tool-to-capture-screenshots>
- Open your terminal (Terminal for Mac users, MobaXterm for Windows users)

## EXERCISE:

- Type “ls” in the command line to see there is a “Desktop” folder. Do “cd Desktop”. (no quotes)
- Create a new directory by typing “mkdir ulab1”. Enter that directory by typing “cd ulab1”. Type “pwd” to show the present working directory.
- Create three txt files with the names psu\_01, psu\_02 and psu\_03 by typing “touch psu\_{01..03}.txt”
- To edit the psu01.txt file, type “vi ps” and then hit Tab, not Enter. (If you hit Enter by mistake, you can quit from vi by typing “:q”  
*Side note: vi is a text editor originally created for the Unix operating system*)
- Confirm it shows “vi psu\_0” (this happens because there are multiple files with the same prefix)
- Hit Tab twice. This will show all the three files. Take a screenshot of the shell
- Add the number 1 at the end (“vi psu\_01”) and hit Tab. The first file should be chosen. Hit Enter to run vi

- Hit the “i” key to enter the insertion mode
- Type your name, and when finished hit “Esc” key and save and quit by typing “:wq”
- The folder Desktop/ulab1 should have been created on your Mac/PC the usual way. Open to see the three files. Take the second screenshot of your screen.
- Open psu\_01.txt. Take the third screenshot making sure it includes your name.
- Copy the three screenshots in a Word document, save it as a PDF and submit the file ULAB1.pdf to the Unix Lab 1 assignment on CANVAS.
- Go back to the command line. Do “rm \*.\*” to delete all the files.
- Do “cd ..” (space after the d) and “ls” see Desktop/ulab1. Do “rmdir ulab1” and “ls”. Now the ulab1 directory is deleted.
- Complete the Quiz 1 of the UNIX module before the due date of this assignment