

UNIX Lab #3

1 pt

Due Date: 02/28 11:59 pm

Instructions:

- If you haven't yet, 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 4 videos. It is important to take notes as Unix-related questions will be always asked in exams.
- After you are done watching and understanding the videos, complete the exercises below and do the quiz on CANVAS

Before you start, remember:

- 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:

- Create a new directory by typing "mkdir Desktop/ulab3". Enter that directory by typing "cd Desktop/ulab3"
- Create four txt files with the prefix "ownership" by typing "touch ownership{1..4}.txt"
- Type the following three commands consecutively and take a screenshot of the shell (make sure the output of the three commands is visible in the screenshot):
 - "whoami"
 - "groups"
 - "ls -la"
- Using either alpha or octal notations of chmod, change the file permissions as follows:
 - ownership1.txt: Give rwx permissions to the user, group and others
 - ownership2.txt: Give rwx permissions to the user, and none of rwx permissions to the group and others

- ownership3.txt: Give rw but not x permissions to the user, and none of rwx permissions to the group and others
- ownership4.txt: Give r but not wx permissions to the user, and none of rwx permissions to the group and others
- Type “ls -la” to show the set permissions. Take the second screenshot of the shell.
- Let’s take a look at the effect of this permissions:
 - Mac users: Type “nano ownership4.txt”
 - Windows users: Type “emacs ownership4.txt”

Type your name and try to save the file (ctr+X on Mac, Ctrl+S on Windows). You will find out you can’t do that. (On Windows, you might be able to save and quit, but if you open the file again, you see no change has been made)
- Type “rm *.*”. The command line will ask if you really want to delete ownership4.txt. Answer yes by typing “y”. Take the third screenshot of the shell.
- Copy the three screenshots in a Word document, save it as a PDF and submit the file ULAB3.pdf to the Unix Lab 3 assignment on CANVAS.
- Go back to the command line. Do “cd ~/Desktop” and then “rmdir ulab3”. Now the ulab3 directory is deleted.
- Complete the Quiz 3 of the UNIX module before the due date of this assignment