

UNIX Lab #2

1 pt

Due Date: 02/14 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 3 videos (skip "Finder aliases in Unix", "Hard links", and "Symbolic links" 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, 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/ulab2". Enter that directory by typing "cd Desktop/ulab2"
- Create a txt file named article by typing "touch article.txt"
- Open your web browser and visit <https://www.python.org/success-stories/esr/>
- Copy the article into the article.txt file:
 - Mac users: type "nano article.txt" in the terminal. Go back to the browser and select the text from the headline to the end of article. Hit cmd+C to copy. Go back to nano in your terminal and hit cmd+V to paste. Once the text appears in the text editor, do ctr+X to save as shown in the video.
 - Windows users: type "emacs article.txt". You might see a message like the one shown below, but MobaXterm will open the file with its attached text editor.

```
Sorry: emacs is not included in this version of MobaXterm.  
  
You can check online if you find a emacs plugin for MobaXterm  
by ctrl+clicking here: http://mobaxterm.mobatek.net  
  
You can also try to install emacs directly  
by using the apt-get install emacs command  
  
If you need a custom version of MobaXterm that includes emacs,  
do not hesitate to ask us for a quotation: mailto:contact@mobatek.net  
  
Starting MobaTextEditor instead...
```

Go back to the browser and select the text from the headline to the end of article. Hit Ctrl+C to copy. Go back to editor and hit Ctrl+V to paste. Then do Ctrl+S to save and then Ctrl+D to quit.

- In the command line, type in “**less article.txt**”. Hit f and b in your keyboard to go back and forth. Reach the end of the file. Take a screenshot of the shell.
- Create another txt file named myLine by typing “**touch myLine.txt**” and open the same way as article.txt. Type in 3 empty lines (hit Enter 3 times) followed by the text “This is my line”. Save the file.
- In the command line, type “**cat article.txt myLine.txt > article2.txt**” to concatenate the two files in the article2.txt file. Check its content by typing “**less article2.txt**”.
- Type “**tail -f article2.txt**”. Take the second screenshot of the shell. Hit Ctrl+C to escape.
- Create a new directory by typing “**mkdir backup**”. Then type “**cp *.* backup**”.
- Use the Finder (Mac) or File Explorer (Windows) to go to Desktop/ulab2/backup. Take the third screenshot of your screen, making sure the image shows the 3 file names and folder name.
- Copy the three screenshots in a Word document, save it as a PDF and submit the file ULAB2.pdf to the Unix Lab 2 assignment on CANVAS.
- Go back to the command line. Do “**cd ~/Desktop**” and then “**rm -r ulab2**”. Now the ulab2 directory is deleted.
- Complete the Quiz 2 of the UNIX module before the due date of this assignment