

LAB - 01

- ☐ All screenshots, **must have your username** at command prompt and screenshot should be legible. Snipping tool is advised for the screen shots, no full page screenshot.
- ☐ For **LAB REPORT**, The screenshots should be pasted in Word Document in order of the lab questions and submitted in Blackboard as a single document only. **Plagiarism is awarded zero.**
- ☐ Refer to course details posted in BB for more info on Lab report and screenshots.
- ☐ Do NOT login as root or user with UID=0 to do the lab, use sudo ONLY when required.
- ☐ Do not use changeme username to do the lab, the lab(s) MUST be done using your own username as specified in PART-B of LAB-1.
- ☐ Strictly NO screenshots with full screen of terminal or desktop or partly taken screenshots
- ☐ It is highly required to following naming conventions and instructions and it would affect evaluation.

IN-CLASS Activity: 1-23

In toronto VM

PART-A: Navigation

1. Familiarise with the command prompt, type **echo \$PS1** and understand the command prompt config
2. Find where you are in Linux file hierarchy
3. Display the files in your home directory
4. Display the terminal name
5. Change to /var/log directory and list the files in the directory
6. Now move one step higher and return to your home directory
7. List the files from the top of the Linux file hierarchy structure without leaving your current directory
8. List the files in /etc directory without leaving your current working directory

SCREENSHOT: `history |grep -E 'echo|pwd|ls|tty|cd'`

PART-B: LINUX help

9. Find help for commands **usreadd**, **passwd**, **hostnamectl**, **hostname**, **echo**, **ls**, **pwd**
10. Display section 1 for any of the manual
11. Display section 8 for any of the manual
12. Display section 5 for any of the manual

SCREENSHOT: `history |grep man`

PART-C: System Info

13. Find system date
14. Find hostname, domain name, short hostname
15. Find the system information using **uname** command with all the options available
16. Find the kernel's Version, Major, Minor revisions and patch number

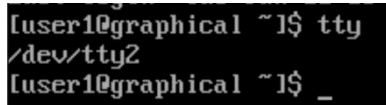
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17. Find the difference between **who** and **whoami**
18. Locate the binary and manual files of **useradd** command, and try for **passwd, hostname, uname**
19. Locate only the binary file of **useradd** command, and try for **hostnamectl, grep**
20. Display date with time zone
21. Use **echo** command to display your name, your course, your program in separate lines
22. Find the name of the terminal (**SCREENSHOT**)
23. Open 3 new terminals and find its name (**SCREENSHOT**)

SCREENSHOT: `history | grep -E 'date|host|uname|who|man|which|whereis|echo|tty'`

PART-D: LINUX VIRTUAL CONSOLES

24. Login into all the available virtual consoles in **toronto** and display the terminal names as below
SCREENSHOT **all the virtual consoles** (a sample is given below, the command prompt in screenshot will vary according to your own commandprompt)



```
[user1@graphical ~]# tty
/dev/tty2
[user1@graphical ~]# _
```

25. Login into all the available virtual consoles in **montreal** and display the terminal names as below
SCREENSHOT **all the virtual consoles** (a sample is given above, the command prompt in screenshot will vary according to your own commandprompt)