LAB - 02

- ☐ **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.**

PRE-LAB ACTIVITY: PART-A *(need to be completed before start of LAB-02)*

IN-CLASS Activity: 1-3 (Pre-Lab) 4, 5, 6, 8 - 15

In toronto VM

PART-A: TEXT EDITORS

1. Create files **file1**, **file2**, **file2a**, **file22a**, **file333**, **file100** using **touch** command
2. Create files **tech**, **technic**, **technical**, **technology**, **biotech**, **infotech**, **polytechnic** and **nontechnical** using **vi** or **vim**, and text in the file should be name of the file itself. **SCREENSHOT: ls -l file* *tech***
3. Using any linux text editor create a file **mycourse.txt** with content as below *(type with the same case sensitivencess, lines and only have period where it is)*

```
I am studying in Humber's north campus
Humber College, North Campus is in Toronto
Humber offers various programs from each school
My school at Humber is FAST
FAST refers to Faculty of Applied Sciences and Technology
HUMBER
FAST offers my program at Humber
My program is at Humber's North campus.
Other Humber campuses are Lakeshore and Carrier Drive
Humber
HUMBER.
humber
```

SCREENSHOT: type cd enter a) ls -l mycourse.txt b) cat mycourse.txt

==========END OF PRELAB==========

prof benann nathan

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PART-B: LISTING FILES - WILD CARD

4. List the files with names that **start** with **tech**
5. List the files with names that **ends** with **tech**
6. List the only file2a, file333 and file100 only using wild card search
7. List the files sorted by latest being first *(refer to options of ls command)*

SCREENSHOT: a) **history |grep ls** b)**history |grep -E 'tech|file'**

PART-C: REGULAR EXPRESSION

8. Using **mycourse.txt** files display the following:
   a. Display the lines that **start** with Humber
   b. Display the lines that **end** with Humber
   c. Display lines that do NOT contain Humber in the file mycourse.txt

SCREENSHOT: **history |grep grep**

9. Use the dictionary words to understand REGEX.
   a. Type **grep 'r[ai]ce' /usr/share/dict/words**
   b. Type **grep '^r[ai]ce' /usr/share/dict/words**

SCREENSHOT: **history |grep grep |grep dict**

PART-D: Printing

10. Use CUPS to add a printer of your choice and display it **(SCREENSHOT)**
11. Use various command line print commands and find the printers available, default printer, etc.,

SCREENSHOT: **history |grep lp**

PART-E: Using echo commands & variables

12. Try using echo command with double quotes, single quotes and without quotes for the following statement and understand the usage of escape character. "**Cost of laptop could be about $2134**"
13. Assign a number to a user variable of your choice and display the assigned value of the variable
14. Assign a string to a user variable of your choice and display the assigned value of the variable
15. Use echo command to display your username from environmental variable
16. Use echo command to display your currently logged in shell from environmental variable

SCREENSHOT: **history | grep echo**