HUMBER
Faculty of Applied Sciences & Technology

LAB - 07

☐ **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.**

This labs has PRELAB before due date in Blackboard.

In TORONTO VM IN-CLASS Activity: 14,15,18,20,21,22

All script screenshots should cat the script and also the output. Scripts should be UNIQUE. Slides and other resources can be used as reference but scripts need to be on your own development.

10. Write a bash script using **while** loop which displays **date**, your **username** and **current directory** every 15 seconds.

11. Write a bash script using **while** loop that gets text input and displays it, and exits when text **quit** is typed.

```
BMW
Benz
Mazda    Q-13
Dodge
Honda
Toyota
```

12. Write a bash script using **until** loop that gets text input and displays it, and exits when text **quit** is typed.

13. Write a bash script using **for** loop to get the list of cars as shown int he screenshot

14. Write a bash script using **for** loop to list 0 - 9 as `1234567890` and the command prompt should be in next line of the result.

15. Write bash script using **for** loop to check currently logged in user's home directory and display if the files are regular file or directory

16. Write a bash script using **case** statement that asks for input **y** or **Y** for **YES** and **n** or **N** for **NO**, then based on the input the script should display **YES** or **NO** accordingly. If other than y, Y, n or N entered it should display that **only y, Y, n, N should be entered**.

17. Write bash script using **select** statement with **P3** and the output is ashown here

```
1) columbia    3) challenger  5) atlantis    7) pathfinder
2) endeavour   4) discovery   6) enterprise  8) quit
Select the shuttle : 1
columbia selected
Select the shuttle : 2        Q-17
endeavour selected
```

18. Write bash script to demonstrate combination of **select** (with PS3) and **case** statements

```
Hello World
Hello Cloud Computing
Hello Humber
Hello Class          Q-19
```

19. Write a bash script using function and call the function to display as shown in screenshot.

20. Write bash script to get two numbers, create a function and call the function to display all the 6 arithmetic operations as shown in screenshot

```
enter two numbers : 23 4
Product of 23 and 4 is 92
Sum of 23 and 4 is 27
Difference of 23 and 4 is 19
Quotient of 23 by 4 is 5
Modulus of 23 and 4 is 3     Q-20
```

21. Write bash script to get file name, validate the file and then using function display the test result of atleast 3 file comparison operators for the file name given as input. The output should be as given in screenshot.

```
Enter a file name :\script1
script1 true for r
script1 true for w
script1 NOT true for x    Q-21
```

22. Create a script to enter marks and need to display Grades according to marks entered as output, grades details are below.
    A: 91 – 100,   **B:** 81 – 90,   **C:**71 – 80,   **D:**61 – 70, **E:**50 – 60,   **FAIL** for less than 50

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prof benann nathan

WE ARE HUMBER