Operating Systems
Lab – 04

Objectives:

- Basic Shell Commands

Resources:

- Video Lecture 03 : Basic Shell Commands Part 1
- Video Lecture 04 : Basic Shell Commands Part 2

Linux Environment

Perform all the tasks on your machine and do read the man pages of commands

1. Create a **temp/** directory on your **Desktop** and copy **/etc/passwd** file in it.

Task 01:

a) Use head command to print the first 5 lines of the passwd file.
b) Use head and print the whole passwd file.
c) Use head to print the passwd file name also with its content.
d) Use tail command and print the last 20 lines of the passwd file.
e) Use tail and print the whole passwd file.
f) How many lines by default tail print on the standard output.

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2. Create a new file in your **temp/** directory named binary and write 10010110 in that file.

Task 02:

a) Use tac command and print that file on the standard output.(Note output carefully)
b) Use tac command and concatenate passwd and binary files.
c) Use tac command and print binary named file in forward order as above. (Make sure it should not be in reversed order). **Hint (**Use pipes)

Task 03:

a) How to copy a file in linux without override?

Task 04:

a) Use more commands and print the first 8 lines of passwd.

b) Use more and less to print passwd and quit it and then figure out the difference between the behaviors of these commands.

c) Use less command to display passwd and search the word you first see in it.(Terminal will highlight the word).