Lab 1 Tasks - Basic Linux Commands

# Aim

These lab tasks are designed to take you through a journey where you will self explore and become familiar with the wonderful world of CLI in Linux.

# What to do?

First thing you can do is not to panic. Next, believe that these tasks are meant for you and you can do them easily. You are free to use the net but not chat GPT. Your first instinct must be to read the help provided by Ubuntu on any specific command.

So for each task try doing them. Make mistakes, a lot of them. It is okay. You are learning (so am I :-D). It is okay to make mistakes, but not at all okay to plagiarize.

# Submission Instructions

1. Make a GitHub account, if not already have one.
2. Create a new repository named “OsLabSpr23”
3. Create a new folder in the repository by the name, “Lab1”
4. Create a new file in the folder “Lab1” by the name Readme.md
5. All code files should be uploaded in this folder.
6. All screenshots must be placed in the Readme.md file
7. For each task write a short note on what you did in the Readme.md file.
8. Upload the GitHub on Slate/GCR

# TASKS

1. Look up the internet about generating log files of shell/terminal. Start one. (Hint: script)

Attempt 7 linux basic commands provided in the manual. Press ctrl+d, i.e., while holding down and keep pressing the “CTRL” key press the key d. Upload the generated file to GitHub.

1. Find out how to use the apt package manager in Ubuntu. Using sudo and apt commands install package ‘tree’.
2. Again start terminal log. Then:-
   1. Type ‘tree’ in the terminal/shell. What happens?
   2. Save the output to a text file named labtask03.text using concatenation ‘>’.
   3. Again press CTRL+d and upload this script log along with the text file previously created to GitHub.
3. Start a new log script with an appropriate name. Can you create 2 new users using only terminal/shell commands. Login to one of the users.
4. Change the password of the second user while logged in to this one.

Save the script and screenshot on GitHub. Mention in the report how you were able to accomplish this.

1. Start a new log script.
   1. Create a new text file using the vim command.
   2. Type in 10 vocabulary words.
   3. Close vim
   4. Using shell sort the file and concatenate the output using “>” to a new file named **“ltSort06.txt”**
   5. Save this file, along with screenshots and report and script on Github.

# Home Task

1. Install VMWare on your system. Check and read on the internet before starting.
2. Install latest LTS of Ubuntu on the VMWare.
3. Install “Windows Subsystem for Linux” on your home computer. Then install Ubuntu from the Microsoft Store. Try some basic linux commands on WSL.