

## Laboratory Exercise -1

9<sup>th</sup> February 2026

### Navigate the System and Create a Structured Folder for Your Cybersecurity Lab Files

#### Objectives

Learn to move around the Linux file system and organize your cybersecurity practice materials neatly using basic terminal commands.




#### Requirements

- Carefully follow each step and capture screenshots demonstrating every command you execute.
- At the end of the session, save your work using your full name and submit it through the designated assignment link.
- The **assignment submission** will be available on **Microsoft Teams**.

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**Step 1:** Follow the Instructions Step-by-step (**capture screenshots**):

- a) Login to Linux with the admin user (Make sure it's Your Full name)
- b) Open the Terminal by using shortcut: ctrl + Alt + t
- c) Display the current folder with **pwd** command
- d) Change your directory to root using **cd /** command.
- e) Change directory to home **cd ~** command
- f) List content of the current directory using **ls**
- g) Change directory to Desktop
- h) Create a new folder named "**Cybersecurity Lab**" with **mkdir** command
- i) Create a new file **Linux** using **touch** command
- j) Edit the file using **nano** command and write from one to twelve inside "**Linux**" file then save the file with CTRL-O and Exit with CTRL-X
- k) Show the Content Linux file using **Cat** and use **head** and **tail**
- l) Change directory to "**Cybersecurity Lab**" folder with **cd** command and list content with using **ls** command.
- m) Create Five Subfolders with using **mkdir** command
  - a. Week1
  - b. Week2

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- c. Week3
  - d. Week4
  - e. Week5
- n) Check the Folders Structure by using **tree** command
- o) Change Directory to Desktop
- p) Create Dir1  Using Single command **mkdir -p**
- |\_ Dir2 
  - |\_ Dir3 
- q) Change Directory to **Cybersecurity Labs/week1**, remember your Current working Directory is Cybersecurity Labs/week1. Meanwhile, **copy Linux file to Dir1 Directory (Absolute Path)**.
- r) Don't change Directory and Create new file "**Notes**" with **touch** command in Dir3 using one line Command.
- s) Edit the file using **nano** command and write your name, department, ID and type 3 basic commands inside "**Notes**" file then save the file with CTRL-O and Exit with CTRL-X
- t) List the contents showing the attributes and size of the contents with using **ls**
- u) Show the contents of the file using **cat** command
- v) Change directory to desktop
- w) Try delete folder Dir1 using **rm -r**, **Then Try use rm -r**
- x) **Finally, what mv Command used for?**