Phase 1: Linux Foundation – Cybersecurity Checklist

# 🧠 Learning Objective

Understand what Linux is, why it's used in cybersecurity, and how to navigate the command line effectively.

# 📘 Key Topics

* • What is Linux and why it's preferred in cybersecurity?
* • Understanding the Linux file system
* • Basic shell commands (ls, cd, mkdir, touch, rm, etc.)
* • File and directory permissions
* • Users and groups
* • Navigating with man, cat, grep, find, chmod, etc.

# 🎯 Tasks

* [ ] Create a Google Doc titled: 'Linux Foundation – Cybersecurity Checklist'
* [ ] Practice commands on your Kali Linux VM
* [ ] Set up your local folder structure for Phase1\_LinuxNetworking
* [ ] Push daily learning notes to GitHub (e.g., Day1\_Linux\_Basics.md, etc.)

# 🔬 Research Prompts

* • Why is Linux more secure than Windows for cybersecurity tasks?
* • How does Linux handle user roles and permissions differently than Windows?

# 🧩 Problem-Solving Challenge

You’ll be given a broken bash script or permission issue and need to debug it.

# 📅 Deadline

Complete by Day 7 of Week 1.