B17-Linux tasks

Level 1: Basic Linux Commands

1. Create a directory called linux_practice in your home directory

2. Inside it, create 5 empty files: file1.txt to file5.txt

3. Write your **name and today's date** into file1.txt

4. Display the content of file1.txt using cat and less

5. Copy file1.txt to backup_file1.txt

6. Rename file2.txt to data.txt

7. Delete file5.txt

Level 2: File Permissions & Ownership

8. Check permissions of all files using ls -l

9. Change permission of data.txt to rw-r-----

10. Make file3.txt executable

11. Change ownership of file4.txt to another user (if available)

12. Explain the difference between **r, w, x** permissions

Level 3: Searching & Viewing Files

13. Search for the word **Linux** in all .txt files using grep

14. Count number of lines, words, and characters in file1.txt

15. Display last 10 lines of /var/log/messages or /var/log/syslog

16. Find all .txt files inside linux_practice

Level 4: Process & System Monitoring

17. List all running processes

18. Find the PID of sshd or systemd

19. Kill a process using kill command

20. Check CPU and memory usage

21. Display disk usage using df and du

Level 5: Package Management

22. Install tree package

23. Remove tree package

24. Check installed version of git

25. List all installed packages

Level 6: Networking Basics

26. Check IP address of the system

27. Test connectivity to google.com

28. Display open ports

29. Check DNS configuration

30. Download a file using wget or curl