

## **Assignment 1 – File and Folder management in Linux**

### **Questions:**

1. **Create a directory named "Projects" in your home directory.**
2. **Navigate to the "Projects" directory.**
3. **Create an empty text file named "report.txt" inside the "Projects" directory.**
4. **List the contents of the "Projects" directory.**
5. **Rename the "report.txt" file to "summary.txt."**
6. **Move the "summary.txt" file to your home directory.**
7. **Create a new directory named "Backup" in your home directory.**
8. **Copy the "summary.txt" file to the "Backup" directory.**
9. **Display the contents of the "Backup" directory.**
10. **Delete the "Backup" directory and its contents.**
11. **Create three new directories inside the "Projects" directory: "Designs," "Code," and "Documents."**
12. **Display the total disk space usage of your home directory.**
13. **Search for all files with the ".txt" extension in the "Projects" directory.**
14. **Count the number of files in the "Projects" directory.**
15. **Create a compressed archive (tar.gz) of the "Projects" directory.**
16. **Extract the contents of the compressed archive created in the previous exercise.**
17. **Change the permissions of the "summary.txt" file to be readable and writable only by the owner.**
18. **Find all files in your home directory modified within the last 3 days.**
19. **Create a symbolic link named "Projects\_Link" pointing to the "Projects" directory.**
20. **Display the current working directory.**
21. **Create an alias named "lsd" that lists only directories when executed.**
22. **List the contents of the root directory ("/").**
23. **Create a new user named "guest" on your system.**
24. **Assign read and execute permissions for the "Projects" directory to the "guest" user.**
25. **Set a password for the "guest" user.**

26. **Move all files from the "Projects" directory to the "Documents" directory.**
27. **Count the number of directories in your home directory.**
28. **List the contents of the "Projects" directory in a long format.**
29. **Check the disk space usage of the root file system.**
30. **Combine the contents of two text files, "file1.txt" and "file2.txt," into a new file named "combined.txt."**