1. Write a command to display the current working directory.
2. How would you create a new directory named "docs" in the current directory?
3. How do you list all files and directories in a directory, including hidden ones?
4. Write a command to create an empty file named "example.txt".
5. How would you copy a file named "file1.txt" from the current directory to a directory named "backup"?
6. What command would you use to move a file named "file2.txt" from the current directory to the parent directory?
7. How do you change the permissions of a file named "script.sh" to allow the owner to execute it, and deny read and write permissions to others?
8. Write a command to recursively delete a directory named "data" and all its contents.
9. How do you search for the word "hello" in all files within the current directory and its subdirectories?
10. How would you archive a directory named "project" into a compressed file named "project.tar.gz"?
11. How do you display the contents of a file named "file.txt" starting from line 10?
12. Write a command to count the number of lines in a file named "data.txt".
13. How would you rename a file named "old.txt" to "new.txt"?
14. What command would you use to display the last 10 lines of a file named "log.txt"?
15. How do you create a symbolic link named "link.txt" that points to a file named "target.txt"?
16. Write a command to find all files in the current directory that have the extension ".txt".
17. How would you display the current date and time in the format "YYYY-MM-DD HH:MM:SS"?
18. What command would you use to display the available disk space on the system?
19. How do you compress a file named "data.txt" into a gzip archive?
20. Write a command to change the ownership of a file named "file.txt" to a user named "john".
21. How would you change the group ownership of a directory named "docs" to a group named "users"?
22. What command would you use to display the running processes on the system?
23. How do you kill a running process with a specific process ID (PID)?
24. Write a command to list all installed packages on a Debian-based system.
25. How would you install a package named "nginx" using the package manager?
26. What command would you use to start a service named "apache2"?
27. How do you add a new user named "jdoe" to the system?
28. Write a command to add a user named "jdoe" to a group named "staff".
29. How would you change the password for a user named "jdoe"?
30. What command would you use to display the IP address of a network interface "eth0"?
31. How do you set a static IP address on a Linux system?
32. Write a command to display the routing table on the system.
33. How would you enable SSH access to a Linux server?
34. What command would you use to restart the network service on a system?
35. How do you mount a USB drive to a specific directory?
36. Write a command to check the status of a network interface "eth0".
37. How would you configure a firewall to allow incoming traffic on port 80 (HTTP)?
38. What command would you use to display the system's hostname?
39. How do you add an entry to the system's hosts file?
40. Write a command to display the system's uptime.
41. How would you create a new user with sudo privileges?
42. What command would you use to display the contents of a compressed file without extracting it?
43. How do you set up a cron job to run a script every day at 8 PM?
44. Write a command to display the list of active network connections on the system.
45. How would you find and replace a string in a file using the command line?
46. What command would you use to check the system's CPU usage?
47. How do you check the available memory on a Linux system?
48. Write a command to display the current logged-in users on the system.
49. How would you compress a directory named "docs" into a zip archive?
50. What command would you use to check the status of a service named "mysql"?