

Linux Important Commands

1. **ls** - Lists files and directories in the current directory.
2. **cd** - Changes the current directory.
3. **pwd** - Prints the current working directory.
4. **mkdir** - Creates a new directory.
5. **rmdir** - Removes an empty directory.
6. **rm** - Removes files or directories.
7. **cp** - Copies files or directories.
8. **mv** - Moves or renames files or directories.
9. **touch** - Creates an empty file or updates the timestamp of an existing file.
10. **cat** - Concatenates and displays the content of files.
11. **nano** - Opens a simple text editor.
12. **vim** - Opens a powerful text editor.
13. **grep** - Searches for patterns in files.
14. **find** - Searches for files and directories in a directory hierarchy.
15. **chmod** - Changes file permissions.
16. **chown** - Changes file owner and group.
17. **df** - Displays disk space usage.
18. **du** - Displays disk usage of files and directories.
19. **top** - Displays real-time system resource usage.
20. **ps** - Displays currently running processes.
21. **kill** - Terminates a process by its ID.
22. **pkill** - Terminates processes by name.
23. **tar** - Archives files and directories.

- 24.**gzip** - Compresses files.
- 25.**gunzip** - Decompresses files.
- 26.**ssh** - Connects to a remote machine via SSH.
- 27.**scp** - Copies files over SSH.
- 28.**wget** - Downloads files from the web.
- 29.**curl** - Transfers data from or to a server.
- 30.**apt-get** - Manages packages on Debian-based systems.
- 31.**yum** - Manages packages on Red Hat-based systems.
- 32.**systemctl** - Manages systemd services.
- 33.**service** - Manages system services.
- 34.**hostname** - Displays or sets the system's hostname.
- 35.**ifconfig** - Configures network interfaces (deprecated, use ip instead).
- 36.**ip** - Configures network interfaces.
- 37.**ping** - Tests connectivity to another host.
- 38.**netstat** - Displays network connections, routing tables, and interface statistics.
- 39.**ss** - Displays network socket information.
- 40.**mount** - Mounts a filesystem.