

1. **Q:** How to list all files in a directory?
A: `ls`
2. **Q:** How to view hidden files?
A: `ls -a`
3. **Q:** How to check the current directory?
A: `pwd`
4. **Q:** How to change to a different directory?
A: `cd <directory>`
5. **Q:** How to create a new directory?
A: `mkdir <directory>`
6. **Q:** How to remove a file?
A: `rm <file>`
7. **Q:** How to remove a directory and its contents?
A: `rm -r <directory>`
8. **Q:** How to copy a file?
A: `cp <source> <destination>`
9. **Q:** How to move or rename a file?
A: `mv <source> <destination>`
10. **Q:** How to display the contents of a file?
A: `cat <file>`
11. **Q:** How to search for a pattern in a file?
A: `grep <pattern> <file>`
12. **Q:** How to count lines, words, and characters in a file?
A: `wc <file>`
13. **Q:** How to display the first 10 lines of a file?
A: `head <file>`

14. **Q:** How to display the last 10 lines of a file?
A: `tail <file>`
15. **Q:** How to check disk usage?
A: `du -h`
16. **Q:** How to check available disk space?
A: `df -h`
17. **Q:** How to monitor running processes?
A: `top`
18. **Q:** How to kill a process by ID?
A: `kill <PID>`
19. **Q:** How to find the current user?
A: `whoami`
20. **Q:** How to change file permissions?
A: `chmod <mode> <file>`
21. **Q:** How to change the owner of a file?
A: `chown <user>:<group> <file>`
22. **Q:** How to search for a file in a directory?
A: `find <directory> -name <filename>`
23. **Q:** How to compress a file using gzip?
A: `gzip <file>`
24. **Q:** How to extract a gzipped file?
A: `gunzip <file>.gz`
25. **Q:** How to archive files using tar?
A: `tar -cvf <archive.tar> <files>`
26. **Q:** How to extract files from a tar archive?
A: `tar -xvf <archive.tar>`

27. **Q:** How to display system information?
A: `uname -a`
28. **Q:** How to check the Linux distribution version?
A: `cat /etc/os-release`
29. **Q:** How to show the current network configuration?
A: `ifconfig` or `ip a`
30. **Q:** How to ping a host?
A: `ping <hostname>`
31. **Q:** How to download files from the internet?
A: `wget <URL>`
32. **Q:** How to display a file's size?
A: `ls -lh <file>`
33. **Q:** How to clear the terminal screen?
A: `clear`
34. **Q:** How to show the current date and time?
A: `date`
35. **Q:** How to check the system uptime?
A: `uptime`
36. **Q:** How to display environment variables?
A: `printenv`
37. **Q:** How to edit a file using a text editor?
A: `nano <file>` or `vim <file>`
38. **Q:** How to switch to another user?
A: `su <username>`
39. **Q:** How to list open ports?
A: `netstat -tuln`

40. **Q:** How to create a symbolic link?

A: `ln -s <target> <link>`

41. **Q:** How to check the kernel logs?

A: `dmesg`

42. **Q:** How to schedule tasks with cron?

A: `crontab -e`

43. **Q:** How to display running services?

A: `systemctl list-units`

44. **Q:** How to restart a service?

A: `systemctl restart <service>`

45. **Q:** How to install a package on Ubuntu?

A: `sudo apt install <package>`

46. **Q:** How to update system packages?

A: `sudo apt update && sudo apt upgrade`

47. **Q:** How to check memory usage?

A: `free -h`

48. **Q:** How to enable execution of a script?

A: `chmod +x <script.sh>`

49. **Q:** How to run a script?

A: `./<script.sh>`

50. **Q:** How to exit the terminal?

A: `exit`