# 100 Essential Linux Commands with Short Descriptions

- 1. pwd – Show current directory path
- 2. ls – List files and directories
- 3. cd – Change directory
- 4. mkdir – Create a new directory
- 5. rmdir – Remove an empty directory
- 6. rm – Remove files or directories
- 7. cp – Copy files or directories
- 8. mv – Move or rename files
- 9. touch – Create an empty file
- 10. cat – Display file content
- 11. less – View file content page by page
- 12. more – View file content
- 13. head – Show first lines of a file
- 14. tail – Show last lines of a file
- 15. nano – Open Nano editor
- 16. vi – Open Vim editor
- 17. vim – Advanced text editor
- 18. grep – Search text patterns
- 19. find – Search files and directories
- 20. locate – Find files quickly
- 21. chmod – Change file permissions
- 22. chown – Change file ownership
- 23. chgrp – Change group ownership
- 24. df – Show disk space usage
- 25. du – Show directory space usage
- 26. free – Show memory usage
- 27. top – Display running processes
- 28. htop – Interactive process viewer
- 29. ps – Show process status
- 30. kill – Terminate a process
- 31. killall – Kill processes by name
- 32. bg – Resume job in background
- 33. fg – Bring job to foreground
- 34. jobs – List active jobs
- 35. ping – Check network connectivity
- 36. ifconfig – Display network config
- 37. ip – Manage IP addresses
- 38. netstat – Network statistics
- 39. ss – Socket statistics
- 40. traceroute – Trace network route
- 41. wget – Download files
- 42. curl – Transfer data from URLs
- 43. tar – Archive files
- 44. gzip – Compress files
- 45. gunzip – Decompress files
- 46. zip – Compress to zip
- 47. unzip – Extract zip files
- 48. ssh – Secure remote login
- 49. scp – Secure file transfer
- 50. rsync – Sync files/directories
- 51. uname – System information

- 52. hostname – Show system hostname
- 53. uptime – Show system uptime
- 54. history – Show command history
- 55. clear – Clear terminal
- 56. man – Open manual page
- 57. echo – Display message
- 58. whoami – Show current user
- 59. who – Show logged-in users
- 60. adduser – Add new user
- 61. userdel – Delete user
- 62. passwd – Change password
- 63. sudo – Run as superuser
- 64. su – Switch user
- 65. service – Manage services
- 66. systemctl – Control systemd services
- 67. reboot – Restart system
- 68. shutdown – Shut down system
- 69. mount – Mount filesystem
- 70. umount – Unmount filesystem
- 71. lsblk – List block devices
- 72. fdisk – Disk partition tool
- 73. crontab – Schedule tasks
- 74. alias – Create command alias
- 75. unalias – Remove alias
- 76. env – Show environment variables
- 77. export – Set environment variable
- 78. set – Set shell options
- 79. diff – Compare files
- 80. cmp – Compare binary files
- 81. sort – Sort lines in file
- 82. uniq – Remove duplicate lines
- 83. wc – Word, line, character count
- 84. cut – Extract text columns
- 85. paste – Merge file lines
- 86. awk – Pattern scanning tool
- 87. sed – Stream editor
- 88. xargs – Build argument list
- 89. watch – Run command repeatedly
- 90. time – Measure command time
- 91. cal – Show calendar
- 92. date – Show/set date and time
- 93. bc – Command-line calculator
- 94. yes – Output repeated string
- 95. sleep – Delay execution
- 96. shutdown -r – Reboot system
- 97. groups – Show user groups
- 98. id – Show user ID info
- 99. dmesg – Kernel messages
- 100. lsusb – List USB devices