

Linux Question Bank

1. Explain the grep command used for searching a pattern with any 4 options.
2. Discuss the privileges of Linux administrator.
3. Explain the standard file descriptors with suitable commands.
4. Describe the following commands: chown, chmod, expr.
5. Explain the cut command.
6. Write a note on commands for disk space management in linux.
7. Write a shell script to accept a filename. Check if the file exists and display the number of lines, words, and characters in the file. Display an appropriate message if the file is not present.
8. Explain the pipe feature in Unix with examples.
9. Write a note on the contents of the etc/passwd file.
10. Explain sort command with any three parameters.
11. What is the role of linux kernel in linux OS?
12. Explain the system memory management function in Linux.
13. What is a boot loader? Write a note on Grub.
14. Which commands are used for creating and maintaining user accounts in Linux? Explain with examples.
15. Explain the following commands with examples: ls, rm, cp, mv, chown, chmod.
16. Write a short note on linux file permissions.
17. What is meant by Linux disk management? How can the user see the current file system and disk partitioning details on a Linux system? (fstab)
18. What are CRON files?
19. Write a short note on Network File System. What are its advantages? What are its disadvantages?
20. Explain the purpose of the following files: /etc/hosts.conf, /etc/hosts, /etc/resolv.conf
21. How are IP addresses extended through subnetting?
22. Write a note on xinetd.
23. Write command to create a new file "new.txt" that is a concatenation of "file1.txt" and "file2.txt."
24. What is inode? Explain in detail.
25. Explain Architecture of Linux Operating System
26. Explain assigning and releasing inode.
27. Explain file system structure of linux
28. Explain various Flavors of Linux OS.
29. Explain the following commands
 1. Head
 2. Tail
 3. Grep and egrep
 4. Touch
30. Explain file /etc/inittab and run levels
31. Explain Linux kernel versions.
32. Explain following commands
 1. Od 2. tr 3. Wc 4. chown 5. cp 6. cat
33. Explain create system call in detail.
34. Explain Open system call in detail.

35. What is LVM ? and Explain its configuration in detail.
36. WRITE A SHELL SCRIPT TO REVERSE NUMBER USING WHILE LOOP.
37. Explain the following files
 /etc/passwd 2. /etc/shadow
38. Write script to print given numbers sum of all digit
39. Explain the following files
 /etc/hosts.allow /etc/hosts.deny
40. Explain File system Layout
41. Explain various Flavors of Linux OS.
42. Explain various file system supported by Linux OS.
43. Explain following commands
 1. tty 2. Wc 3.diff 4.mkfs 5.su 6.mkdir
44. Explain various filter commands.
45. Explain synchronization and concurrency of linux kernel.
46. Explain read system call.
47. Explain how to set user quota in detail
48. Explain Open system call in detail.
49. Explain Iptables/netfilters in detail
50. Write shell script for table of a given number
51. Explain mount command and how to do permanent mounting in /etc/fstab.
52. Write a shell script to change base name of all *.TXT file in current directory to *.DOC
53. Explain Access control (ACL) list in detail
54. Explain Chmod and umask.