

## **UNIX Questions.**

1. What is the cat command used for?
2. How do you use cat to create a new file?
3. How can you view the contents of multiple files using cat?
4. How do you append one file's content to another using cat?
5. What does the cut command do in Unix?
6. How do you extract the second field (column) from a file using cut?
7. What's the difference between -b and -f options in cut?
8. What is sed used for?
9. How do you replace the word "hello" with "hi" in a file using sed?
10. What's the difference between sed 's/text1/text2/' and sed 's/text1/text2/g'?
11. What does chmod do?
12. Explain the meaning of chmod 755 file.txt.
13. How do you give read and write permission to a file for the owner only?
14. What is the purpose of the awk command?
15. How do you print the first column of a file using awk?
16. How can you use awk to calculate the sum of a column?
17. What is the find command used for?
18. How do you find all .txt files in a directory and its subdirectory?
19. How can you use find to search for files modified in the last 2 days?
20. How do you create a directory?
21. How do you create a nested directory structure in one go?
22. What happens if the directory already exists?
23. What does the cp command do?
24. How do you copy a file to another directory?
25. How do you copy a folder and all its contents?
26. How is mv used to rename a file?
27. What happens if you mv a file into an existing file?
28. How can you use mv to move multiple files into a folder?
29. How do you switch to the home directory?
30. What is the difference between cd and cd ..?
31. How do you go to the previous working directory?
32. What is the difference between cat and more?
33. How do you scroll through a file using more?
34. What key do you press to go to the next page?
35. How do you display the first 10 lines of a file?
36. How do you show only the first 5 lines?
37. What does tail -f do?
38. How do you view the last 20 lines of a file?
39. What's the difference between tail and tail -f?
40. How do you enter insert mode in vi?
41. What command is used to save and exit in vi?
42. How do you delete a line in vi?
43. What's the difference between command mode and insert mode?
44. What does the touch command do?
45. How can you update the timestamp of a file using touch?
46. What happens if you touch a file that already exists?
47. What does pwd show?
48. What's the output of pwd when you're in the home directory?
49. What info does who am i give?
50. What's the difference between whoami and who am I and who?
51. How do you display the current date and time?
52. How do you format the date output? (e.g., only show year)
53. How do you display the current month's calendar?
54. How can you display a calendar for a specific year using cal?
55. How do you sort the contents of a file alphabetically?
56. How can you sort a file in reverse order?
57. How do you sort numerically using sort?
58. What does wc stand for?
59. How do you count the number of lines, words, and characters in a file?
60. What does wc -l do?
61. What does the diff command do?
62. How do you compare two files line by line?
63. What does a > or < symbol mean in diff output?
64. What are the three modes in vi?
65. How do you: Enter insert mode? Save and quit? Delete multiple lines? Copy and paste lines?
66. How do you search for a word in vi?
67. How can you undo your last change?