**CIS22ITxxx SME INTERVIEW QUESTIONS**

1. What is a network?
2. What is Topology?
3. Explain OSI layers
4. What is Cloud computing?
5. What is Primary key?
6. What is foreign key?
7. What is a Database?
8. What is a Firewall?
9. What is DBMS?
10. What is DevOps?
11. What is RDBMS?
12. What is Cloud?
13. Explain DNS.
14. What is an IP address?
15. What are Routers?
16. Explain Topology. What are its types?
17. What are the types of cloud?
18. What is the difference between global variable and local variable?
19. Differences between OSI UDP TCP & IP.
20. Explain Application layer & transport layer
21. Difference between application layer and transport layer
22. Difference between TCP and UDP
23. What is OS Address
24. Differences between IPv4 and IPv6
25. What is a database?
26. What is firewall? Show me the firewall of your device.
27. How to connect to a different device into one network
28. Difference between firewall and antivirus
29. What is a Gateway?
30. What Is a subnet mask?
31. Explain IPv4
32. Difference between delete and drop
33. Ways to find IP address
34. What types of training did you go through?
35. What is SQL?
36. Difference between Foreign key & Primary key
37. What is AWS?
38. What is Cloud? Explain its types.
39. Difference between Java and C++
40. List all the Linux commands you know.
41. What is Ping?
42. What is a Switch?
43. Topology and its types
44. Write hello world program in Python.
45. What are the types of DNS?
46. What is SSH?
47. Port number for DNS
48. What is a Docker?
49. Linux basic services
50. AWS basic services
51. What is Virtualisation? State its uses
52. Difference between Windows server 2016 & Windows server 2019
53. What is grep?
54. How to Decompress/Unzip a file in Linux?
55. What is Cloud computing? Types of cloud
56. How to grant Permission in Linux?
57. What is VMware and Hyper V?
58. What are Protocols in networking?
59. How to connect multiple devices in a network?
60. Port number for RDP, HTTP, SSH
61. Explain Transport Layer
62. Explain Presentation layer
63. What is SMTP and its port number?
64. Port number for: FTP and DHCP
65. What is nmtui used for in Linux?
66. What is yum used for?
67. What is port number for UDP, FTP, RDP, DNS?
68. What is Curl in Linux?
69. What is RDP?
70. Brief explanation of OSI layer
71. What is a Router?
72. Difference between Drop vs delete vs truncate
73. Explain the top two layers of OSI model
74. Types of protocols in network
75. Difference between Delete and truncate
76. What are Joins and explain their types?
77. Services in cloud computing.

**LINUX COMMANDS ASKED DURING THE INTERVIEW:**

1. How to create file
2. Command to open directory
3. Query on insert, update of 4 employees
4. Find IP address
5. Delete a file
6. Retrieve command
7. Copy a file
8. Create a file
9. Give permissions to a file
10. Edit a file
11. View our IP address
12. Ping multiple devices
13. Find command
14. Disk command
15. Move command
16. Find a word
17. Command for finding IP
18. Edit a file
19. Grep command
20. Chmod command
21. Check IP
22. Check for a word
23. Find a document
24. Check for processes running
25. Add new lines in already created document
26. Change hostname
27. Check Disk Space
28. Check if connection is up
29. Remove a file
30. Check disk space
31. Command to see Hidden files

**SQL QUERIES ASKED DURING THE INTERVIEW:**

1. SQL query to UPDATE table
2. SQL command to INSERT
3. SQL command to DELETE and DROP
4. DROP DELETE and UPDATE query with condition
5. SQL command to INNER JOIN
6. Print top 10 values in a table.
7. UPDATE employee salary
8. Query to update location
9. Query to sum emp salary