

1) uptime command

-> This command is used to know how long the system is running.

-> How to use this uptime command?

Ans : simply type uptime and press enter, then we will get output

-> ones this command get executed then in the out we will get following information

- 1) current time
- 2) system up time (How long system is running)
- 3) number of logged user to system
- 4) load average for first minute, fifth minute and 15th min

2) who command

-> This command is used to know current logged user name

-> How to use this command ?

Ans : simply type who and press enter

-> Ones this command get executed then in the output we will get following information

- 1)user name
- 2) today's date and current time

3) Whoami command

-> this commnd is used to know your user name

-> How to use this command?

Ans: simply type whoami and press enter

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4) hostname command

-> This command is used to know your system information like system name , ip address of system and ip address of network

-> how to use this command?

Ans: simply type hostname and press enter

-> some basic options of hostname command

- i) option -i : It is used to know your system ip address
 - ii) option -I : It is used to know network IP address
 - iii) option -f : It is used to know system name
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5) arch command

-> This command is used to know your system is 32 bit or 64 bit

-> How to use this command?

Ans: simply type arch and press enter key

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6) uname command

-> This command is used to get O.S related information like operating system name, kernal name, kernal version

-> some important options of uname command

- 1) uname -s : To know kernal name
- 2) uname -r : To know kernal release
- 3) uname -v : To know kernal version
- 4) uname -o : To know operating system name (GNU/Linux)

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7) How to switch to root user?

Ans: To switch to root user, we need to use below command

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sudo -i
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8) How to switch to normal user?

Ans: To switch to normal user, we need to use su command

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su user_name
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9) logout : This command is used to log out from current session

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10) exit command: this command is used to close terminal

Note: before closing terminal you need to logout from all logged in session

Note: time duration between login and logout is called session

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11) time command

-> This command is used to know how much time is taken to execute a command.

-> How to use this command?

Ans : time command_name

Once this command gets executed then in the output- first part is output of given command and second part is output of time command

12) sleep command

-> This command is used to pause terminal for particular amount of time

-> By default it is taking time value in seconds

-> If we want to perform values in second, in minute and days then we need to use suffix as

s for second

m for minute

d for days

Examples : sleep 5 -> Pause terminal for 5 second

sleep 5s -> Pause terminal for 5 second

sleep 5m -> Pause terminal for 5 minute

sleep 5d -> Pause terminal for 5 days

13) top command (important for interview)

Q. How to know CPU utilization? or What is purpose of top command?

Q. Which command is used to know CPU utilization?

-> top command is used to know CPU utilization

-> top command display dynamic overview of CPU

-> How to use this command?

Ans: simply type top and press enter

-> once this command get executed, in the output it will show below information

- 1) How long system is running?
- 2) Number of logged user
- 3) load average for 1st, 5th and 15 minute
- 4) initiated process count
- 5) running process count
- 6) sleep process count
- 7) stopped process count
- 8) zombie process count
- 9) % CPU usage
- 10) % memory usage

- 11) All process information in tabular form with following columns
- 1) PID : Process ID
 - 2) User : Who initiated that process
 - 3) PR : Process Priority
 - 4) NI : Niece Value
 - 5) VIRT: Virtual Memory
 - 6) RES: Physical Memory
 - 7) SHR : Shared memory
 - 8) S : Process status (S-sleep, R-running , I-Initited , Z-Zombie Process)
 - 9) %CPU : usage of CPU in percentage

Note: What is mean by Zombie process?

Ans: The process whose execution is completed but its process id is in use such process is called Zombie process.

Note : If you press z then display details in color

: If you press c then we will get absolute path

: Press q to exit from command