

ASSIGNMENT ON LINUX COMMANDS

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CLASS : E1-CSE-C3

1. What is the command used to sort a file ?

Ans: SORT command is used to sort a file, arranging the records in a particular order.

2. How will you find which operating system your system is running on unix ?

Ans: Opening terminal and then typing the command "uname -a" will display the operating system our system is running in linux.

3. which character you will append to a command to run the process in background ?

Ans: By appending an ampersand character (&) to the end of the commands.

4. How do you see command line history in unix?

Ans: By typing History command

5. How do you find which process is taking how much cpu?

Ans: The vmstat command will display the information about system processes, memory, swap, I/O, and CPU performance. It will display the average details since the last reboot.

6. How do you check how much space is left in current drive?

Ans: df

7. Which command is used to count the number of characters in a file?

Ans: wc -m command

8. Which command is used to determine the size of a directory in unix?

Ans: du command

9. Which switch is used for displaying the result of a command in human readable format?

Ans: df -h command

10. Which command is used to list all the running processes?

Ans: top command

11. Which command is used to show real time view of the running processes?

Ans: ps command

12. Which of the commands is used to compress a file?

Ans: zip, gzip, bzip2,xz.

13. Which command is used to delete a empty directory hierarchy of directory'?

Ans: rm -r <directory name>

14. Which command is used to create a directory,hiierarchy of directory ?

Ans: mkdir

15. Which command is used to know IP address of your system?

Ans: ipconfig /all

16. Which command will not accept file name as input?

Ans: *malix*

17. Which command is used to rename a file?

Ans: *mv<oldfile><newfile>*

18. The purpose of the command "type"?

Ans: *"The standard output of the type command contains information about the specified command and identifies whether this is a shell built-in command, subroutine, alias, or keyword. The type command indicates how the specified command would be interpreted if used."*

19. Write command with related option to know the kernel file?

Ans: *uname -r*

20. Which file contains the root password?

Ans: */etc/passwd file*

21.

i. Write a command to display the fields:

Name, Department, Salary?

Ans: *awk '{print \$2,\$4,\$6}' emp.1s*

ii. What is the output of cut -d\| -f 2,3 emp.1st

Ans: *a.k.shukla|g.m*

jai sharma|director

sumit chakrobarty|d.g.m

barun sengupta|director

n.k. gupta|chairman

chanchal sanghvi|director

karuna ganguly|g.m

s.n. dasgopul|manager

jayant Choudary|executive

anil aggarwal|manager

lalit chowdury|director

shyam saksena|d.g.m

sudhir agarwal|executive

j.b. saxena|g.m.

v.k. agarwal|g.m.

iii. What is the output of sort -t"|" -k 2 emp.1st

Ans: *pipe dquote>*

iv. Write a command to sort text based on fifth field (DOB)

Ans: *sort -k 6 emp.1st*