Assignment on linux command

1.what is command used to sort 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 in UNIX?

Ans: Open the terminal application and then type the following uname command: uname. Uname -a.

Display the current release level (OS Version) of the Unix operating system. Uname -r.

You will see Unix OS version on screen. To see architecture of Unix, run: uname -m.

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

Ans: To run a command in the background, add the ampersand symbol (&) at the end of the command.

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

Ans: Open a terminal application on your Linux or Unix and type history to list all commands.

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

Ans:we can check CPU Usage with Top Command. Top is a very useful command-line tool that helps you to monitor all running processes in real time.

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

Ans: The df command stands for disk free, and it shows you the amount of space taken up by different drives. By default, df displays values in 1-kilobyte blocks.

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

Ans: wc -m : prints the count of characters from a file.

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

Ans:we can run "df" UNIX command with the current directory or any specified directory.

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

Readable format?

Ans: Using -h to make df command display the output in human-readable format.

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

Ans:we can list running processes using the ps command (ps means process status). The ps command displays your currently running processes in real-time.

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

Ans:-The top (table of processes) command shows a real-time view of running processes in Linux and displays kernel-managed tasks. The command also provides a system information summary that shows resource utilization, including CPU and memory usage. In this tutorial, you will learn to use the top command in Linux.

12.which the commands is used to compress a file?

Ans: The gzip command is very simple to use. You just type "gzip" followed by the name of the file you want to compress.

13.Which command is used to delete a empty directory, hierarchy direc

Tory, directory which contains some files?

Ans:-To remove an empty directory, use the rmdir command as follows:

If the directory still contains files or subdirectories, the rmdir command does not remove the directory.

To remove a directory and all its contents, including any subdirectories and files, use the rm command with the recursive option,-r.

Directories that are removed with the rmdir command cannot be recovered, nor can directories and their contents removed with the rm -r command.

14.which command is used to create a directory, hierarchy of directory?

Ans:

Use the mkdir command to create one or more directories specified by the Directory parameter. Each new directory contains the standard entries dot (.) and dot dot (..). You can specify the permissions for the new directories with the -m Mode flag.

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

Ans: First, click on your Start Menu and type cmd in the search box and press enter. A black and white window will open where you will type ipconfig /all and press enter. There is a space between the command ipconfig and the switch of /all. Your ip address will be the IPv4 address.

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

Ans:-malix will not accept file name as input.

17.Which command is used to rename a file?

AnsUse the mv command to rename a file or directory.

18.The purpose of the command "type" ?

Ans:-

IN LINUX:

The type command is used to describe how its argument would be translated if used as commands. It is also used to find out whether it is built-in or external binary file.

IN WINDOWS:

Command shell, type is a built in command which displays the contents of a text file. Use the type command to view a text file without modifying it.

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

Ans:

There no universal standard, but the kernel is usually found in the /boot directory.

We can use uname -r to find out the version you're running and then look for a file in /boot with that name. You can also use cat /proc/cmdline to find the kernel path, but note that this path is relative to the root image at boot time, so / likely means /boot/ in the running system.
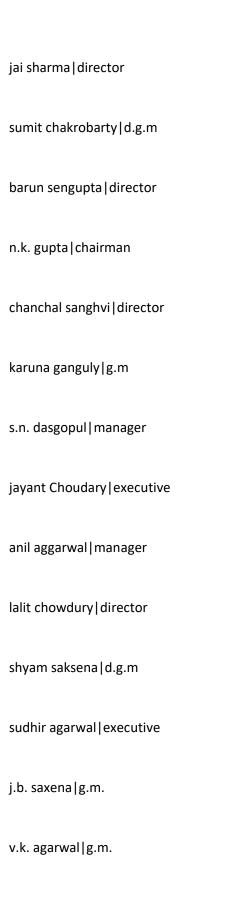
20.Which file contains the root password ?

Ans:the /etc/passwd file is owned by the root user and must be readable by all the users, but only the root user has writable permissions, which is shown as -rw-r—r-- . If a user ID has a password, then the password field will have an ! (exclamation point).

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 ouput 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.1s