ASSIGNMENT ON LINUX COMMANDS

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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.*

1. 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.*

1. 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.*
2. How do you see command line history in unix?*Ans: By typing History command*
3. 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.*

1. How do you check how much space is left in current drive?*Ans: df*
2. Which command is used to count the number of characters in a file?*Ans: wc -m command*
3. Which command is used to determine the size of a directory in unix?*Ans: du command*
4. Which switch is used for displaying the result of a command in human readable format?*Ans: df -h command*
5. Which command is used to list all the running processes?*Ans: top coomand*
6. Which command is used to show real time view of the running processes?*Ans: ps command*
7. Which of the commands is used to compress a file?*Ans: zip, gzip, bzip2,xz.*
8. Which command is used to delete a empty directory hierarchy of directory'?*Ans: rm -r <directory name>*
9. Which command is used to create a directory,hiearchy of directory ?*Ans: mkdir*
10. Which command is used to know IP address of your system?

*Ans: ipconfig /all*

1. Which command will not accept file name as input?*Ans: malix*
2. Which command is used to rename a file?*Ans: mv<oldfile><newfile>*
3. 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."*

1. Write command with related option to know the kernel file?*Ans: uname -r*
2. 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 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.1st*