

## Class 6

### Cut command

It is use to cut the specific field or character

Name age profile salary

500

Cut -d: -f1 /etc/passwd

-d = delimiter ( . , : ) , -f = field

Cut -c1 /etc/passwd

Cut -c1,3 /etc/passwd

Cut -c1-5 /etc/passwd

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AWK (Aho , weinberger and Kernighan ) = inventor name

Awk -F[,] '{print \$1}' india

Awk -F[,] '{print \$1,\$4}' india

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Locate = it use to search the data

Find

Mkdir /azure = touch cloud

Find / -name cloud

Locate cloud1

Update the database

Updatedb

Difference between find and locate command ?

Find command have not any database but locate command has database , if we make any new data we have to update the database of locate , after it , it will search .

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### File system hierarchy

1. /root = it is home directory of root user
2. /boot = contain all booting file of os
3. /home = it save the non-privilege user data (abc = /home/abc)
4. /var (variable) = it contain all log , mail , webdata etc
5. /tmp (temporary) = store the temporary data
6. /dev (devices) = it save all hardware file (Harddisk , partition , cpu)
7. /bin (binaries ) = it contain the command file which can run by root and non-privilege user
8. /sbin (superbinaries)= it save the command file which can run by root (shutdown , resatart )
9. /etc = it save system configuration file (user file , group file , server file )
10. /lib (library ) = it contain os info file
11. /srv (service) = it save all service file

12. /usr (user) = it save the file of 3 party file
13. /proc (process) = contain process file
14. /run = it contain process file which start at booting time
15. /mnt , /media = it use for mounting

Mounting =attachment

Partition (50 GB) = attach the folder

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File editor = it is use for edit the file

Cat > rhel

Rhel is an opensource oS

Ctrl+d

Whindow cmd = edit

Window = notepad

Linux =

2 type

1. CLI base editor = vi , vim , nano
2. GUI base editor = gedit

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CLI based editor

1. VI = visual interface  
3 type mode  
Command mode - see the data  
Insert mode = edit the data  
Exit = exit

Vi rhel

Rhel is an opensource oS = command mode

Press I = insert mode

Do the editing

Press esc = command mode

Press sifft+:

:wq =write and quit

Option

Insert mode

i = insert the text at current position

I = insert the text at starting of line

a= insert the text after current character

A = insert the text in end of line

o= insert a blank line below of cursor

O= insert a blank line above of cursor

r= replace the single character

command mode

H = starting of page

M = middle of page

L = end of page

x = delete a single character

ctrl+f = forward one page

ctrl+b = backward one page

dd = delete a single line

5dd = delete the 5 lines

yy = copy a single line

6yy = copy the 6 line

p = paste

4p = paste 4 time same thing

u = undo

ctrl+r =redo

gg = starting of file

G = end of file

10G =go to 10 line

Exit mode

:w = save the data but no exit

:q = exit without save

:wq = save and exit

:qw = quit without save

:x = save and exit

Sift+zz = save and exit

! = forcefully

:wq! =save and exit forcefully

:q! = quit forcefully

:se nu = set number

:se nonu = set no number

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Vim =

Vi and vim are same only OS file in vi open in black and white and vim it open in colour

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Nano

Nano rhel

^ = ctrl

M =Alt

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GUI editor

Gedit

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Editor , file system hierarchy, cut , AWK , Locate