

## Class 5

66. search file and directory

Find / -name filename

67. search only file

Find / -name filename -type f

68 search directory only

Find / -name filename -type d

69. search small/capital letter file/dir

Find / -iname filename

70. search empty file and folder

Find / -empty

Find / -empty -type f

Find / -empty -type d

71. search specific extension file

Mp3

Find / -name "\*.mp3"

72. search the file according to size

Find / -size 10M

73. search less than 10M

Find / -size -10M

74. search more than 10M

Find / -size +10M

75. search file /folder which are modified with in 20 min

Find / -mmin 20

Find / -mmin -20

Find / -mmin +20

76. modified in 2 days

Find / -mtime 2

77. show the shutdown and restart time

Last -x

78. show the only restart time

Last

79. see the all run command

History

80 clear the history

History -c

81. see the type of data

File \*

82. see the inode no

Inode number

Mkdir test

Kernel not understand the name , it give numeric value to file / folder . it is called inode

Ls -i

83. see the line number , characters , words number of file

Wc = word count

Wc /etc/passwd

45 103 2504 /etc/passwd

45 = line no

103 = word

2504 = character

/etc/passwd

Wc -l /etc/passwd = see only the line no

Wc -w /etc/passwd = see only the word

Wc -m /etc/passwd = see the the character no

Wc -c /etc/passwd = no of byte

84. see the number of line in a file

Cat -n /etc/passwd

85. change the time zone

See the time zone = timedatectl

See all time zone = timedatctl list-timezones

Change the time zone

Timedatectl set-timezone Asia/Kolkata

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Hard link and soft link

Soft link = it is the shortcut of file and folder . It has different inode no .if original delete the soft link will stop

Cat>zz

Hii h r u

Ctrl+d

Ln -s zz cc

Hardlink = it's also shortcut of data . it has same inode . we can make only file hardlink . if original file deleted the hard link will work

Cat>pp

Fdffd

Ctrl+d

Ln pp qq

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Grep , Egrep , Fgrep

Grep = global regular expression print

It is use to catch the specific word from a single an multiple file

Grep games /etc/passwd

Or

Grep gmaes /etc/passwd /etc/group /etc/shadow /etc/gshadow

Egrep = enhanced grep

We can catch single or multiple word from single or multiple file

Grep -E 'root|ftp|game' /etc/passwd /etc/group

Or

Egrep 'root|ftp|game' /etc/passwd /etc/shadow

Fgrep = fasrt grep

Grep and f grep are same , but fgrep is some fast

Grep -F gmaes /etc/passwd /etc/group /etc/shadow /etc/gshadow

Or

fgrep gmaes /etc/passwd /etc/group /etc/shadow /etc/gshadow

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Sed = stram editor

It is use to show the specific line in a file and it replace the word

Cat -m /etc/passwd | sed -n '21p' = catch only 21 line

Cat -m /etc/passwd | sed -n '21,25p' =catch from 21-25 line

Cat -m /etc/passwd | sed -n '21p;25p' = catch only 21 and 25 line

Replace the word

Sed 's/root/india/' /etc/passwd = replace the first word only

Sed 's/root/india/g' /etc/passwd = all words

Sed 's/root/india/gi' /etc/passwd = ignore the case sensitivity

Sed '1,20s/root/india/g' /etc/passwd = change only 1-20 lines

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Basic command , link ,grep ,sed

Cut , awk, locate , editors