Name: Atul Kumar Roll no.: RD2110B79 Course Code: CAP448 CA1 - Assignment SET-C

and Explain commands with syntax and example for:

1. Remove a non-empty derectory.

Mons: We use the "rm" command to delete a derectory that its non-empty. Repenever we use "rm" commando for derectories we should use -r or -R option.

Byntax: rm -rf de'r-name rm -rf/path/to/de'r/name

Example: Trying to remove restivalpictures directory with the rmdir production restival-pictures

Output: rmolir: failed to remove 'festivalpictures!': Directory not empty

other use rm-rf restival-pictures output: No such file or directory

2 check all commands used in past. Ins: We can use "history" command to view all the previous executed command by default, the "history" command will show you the last five hundred commands you have entered.

Syntax: Bistory

Example: Et we wont to see the commands that we have entered.

Ristory

celpert: 2 ds -1

2 clear

3 mkder ders

4 ifconfig

80 ON

3. Different vocus to create a file. Ons: Obere are different commands to create file in linux.

© eat command- et ils the most ecniversal command for creating file.

Syntax: cat > Filename

Example: cat > personal

a touch command-we can create an empty file or multiple empty files by using this command.

Syntax: touch rilename Example: touch personal

(3) vi command: Ets main function es to edit files but it also creale a file.

Example: vi personal

no save & exit from vi text editor press the Escape key and then typeing press enter.

4. Usage of more and less commands.

Ons: more command: more command is used for paging program that open a given rile for interactive reading— of the content of the file is too large to fit on the one screen it displays the contents page by page. You can scroll through the contents of the file by pressing ENTER or SPACE BAR.

Syntax: more filename Excemple: more file.txt

Ocelpect: Et will display first page Enter to view next line, space to view next page less command: The "less" command is also used to open a given file for interactive reading, allowing scrolling and seasch. The less command doesn't load the entire file, but loads it part by past which makes it faster.

Syntax: less filename Example: less file.txt

Octout: Et will désplay first page. Press ENTER or SPACE BAR Icey to go down and press 'b' to go up.

5. Check all dick partition. 30/1: There are many commands to check disk partition in linux:

Ofdisk: fdisk is the most common used command to effect the partitions on a disk. The fdisk command, ean display the partitions and details like file pystem type.

Syntax: fdisk-L

Example: fdisk-l(-l otands for Listing all partitions)

Output: Disk Ider/sda: 637.8GB,

- 2) stdisk: stdisk is another utility with a purpose similar to tdisk, but with meith more features at ean display the size of each partitions in Mg. Syntax: stdisk-l
- 3) parted: parted is yet another command and line utility to list out partition and modify them if needed.

Byntax: parted -l

(4) cfdisk: cfdisk is also used to dispolars or manipulates the disk partitions.

Syntax: cfdisk /dev/sda

G-02 How to create a shortcut and take a backup of file in linux. Explain with the help of suitable command and syntaxes.

Ons:-a) create a shorteet of a file:-

l'n lenux ree can use Command!" In -s <filename> <filename-soft)".

In stand for link and -8 stand for symbolic link.

byntax: In-s (source file) (symbolic Link)

when we execute this command, it will generate a symbolic link and this link is called as the shortcut of the file i.e suppose we have a file named as "testfile" after using the command "In-s testfile testfile.soft"

output: testfile-soft -> testfile

Hence "testfile" stoends for moun file
(target file) and "testfile-soft" stand,

for symbolic link and we also see

the permission and inode number

is different from the dasget file.

B) Pake a backup of a file:
To take a backup of a file in

Lenux noe can use:
Command: "In \filename \ \filename \ hord\)

Refere In stands for link.

Byntax: In (filename) (file unkname) Alfen we execute this command, it well generale a hasd link and the Link is ralled as the Backup of a tile suppose we have a tile named as "fruit" after using the command "en truit fruit-hard" it will create a backup rile of fruit (target rile) wells same permission and same i-node number of target tile. When the target tile is deleted or missing we can easily recover with the Relp of backup file.

83: Buppose you ase an administrator and wants to reboot all users eystem. Explain all steps to achieve this ocenario?

Ans:- To reboot all user sym system in dinux we can use "reboot" and "phutdown" command. Make puse that you are the root user otherwise you can't do this action.

syntax: # reboot

10 aid for sometime and the linux
server weill rebook itset.

If you want to use "shutdown"
command you weill use [-option]
and you can also set shutdown
time and some messages that
all logged-in user see that the
system is going down within

Syntax: shuddown -r +5

Now the object is going to shutdown within lost 5 minutes of time. Here -r stands for reboot and +m(+5) stands for the number of minutes.

De can also use word "now" for immediately shuddown the objectern

byntax: shutdown -r now

If you want to add some messages

syntax: sheddown[option] trime] thesay]

Ex: shuldown -r +10" bystem is going to down in 10 minutes."