20 12 2
Describe methods to change file permissions with examples- dns) chood command enables to change file permissions -
and chand command enables to change file permissions -
i) Absolite mode-
chmod 776 filename
- 9WX 9WX 9W- 7-7 read, write & execute  6-7 read, write
user group 5-7 gread & execute
4 -> read only
3 - write and execute
2 - write only
1 - generate only
O 7 no pernuesion
ii) bymbols to set and change permissions.
peuvissions
U-7 Useq + (assign) flac
g-group - venove) write
0-7 others = execute
a 7 all assigns absolute permission
chmod 0-re filename
nead permission is removed from others
read & write permissions assigned to user, group & others
gread & write permissions assigned to user group & others
70000

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1	2) Differences between hard links & soft links with example found Link Soft Link
1	Hard Link Soft Link
1	1. It references the original file. 1. It references the original
1	filename:
1	2. Inode number remains the 2. Inode number of soft linked
1	2. Inode number remains the 2. Inode number of soft linked same as & original file files are different from
1	original file.
1	3. Hard link doe can't be used 3. Soft link can be used
-	for directories and different for directories and different
-	Dila anatana
	A. When original file is removed 4. When original file is removed
-	4. When original file is removed 4. When original file is removed that hard link still works fine toft link won't works as and doesn't affect other links. It can't access original data lile
1	and doesn't affect other links it can't access original data
-	
	5. En-sln file1.txt file2.txt 5. Sln-s file1.txt file2.txt
1	3) Use find und to locate from your home directory
	a. All files having inode number 9076.
	Slind 1-inum 9076 -print
	6. All directories having permissions 666
	Sfind FromE -perm 666 -type d -print
-	c. All files not accessed for more than a year
1	Slind Stant - atime +365 perst -type + - print
1	de All but C pruggian files
-	Lile ! - name ". C" - print
-	U •
1	
-	
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4) Enclain with examples -
i) Command substitution - It is used to assign the output
of a command to a variable.
Ex D= date
echo Late & \$D"
The work of the state of the st
echo no of users & \$U"
echo no of users & DV
ii) Set and shift - Set command is used to assign value
to positional parameters.
Ex Set BMS Computer Science USP
Fecho \$1 \$2 \$3 \$4
-7 BMS Computer Science USP.
The same of the later to the same of the s
Shift command is used to shift command-line arguments
to left by n positions to left. n is number of positions.  Seet India is the seventh largest country in the world.
Fahift 4
Secho \$1 \$2 \$3 \$4 \$5 \$6 \$7 \$8 \$9
largest country in the world
in) trap - We want some process to carry out some other
job on receiving signals. Using teran command use can see
to it the program terminating signals can be persuaded to
ignore task initially assigned to do.
\$ trap "le -l " 2 - r displays long list on generation of
signal 2.

iv) here - The can make societs work now interactively by
supplying the inputs through a here document.  Ex-file.sh & filenance.txt.
Ex- file. sh & Silenance text.
. 0
5) Write a shell script that accepts filenames as arguments, for every filename, It should wheck whether it exists in
for every lilename. It should check whether it exist in
current directory & then canavent its name to uppercase
but only if a file with new name doesn't exist.
# Iben/sh
for n in \$*
do
if [-f \$n]
then echo "Tile \$x exists"?
0 1 4 0
echo " &x doesn't exist".
fi
ta'[a-z]' (A-Z)' < \$x
6) A lile's current permissions are 9W-9-22-
Epecify the chood expression regol to change them for the
following -
14 9512 4 427 6 4 27
chmod at with filename I chmod 777 filename
chonged was 140 lilename choned u-w, g-x, O-r
chmod of the filename chmod u-w, g-x, O-re filename
chnod a-rwx filename shoud ovo filename

_		1
_	Q) Use find to locate from your home directory all	
	1) files with extension Atml or of TML  Spiral SHOME -name "o. [Hh][Tt7[Mm][L]" - print	1
	Stird SHOME -name "o. [Hh][Tt][Mm][LU" sprint	+
		+
	ii) file houring inode no 9076.  Sfind / inum 9076 - print	1
	Slind / -inum 9076 -print	1
		1
	ivi) directories having permission 666 Sfind HOME -perm 666-type of -print	
	Sfind SHOME -perm 666 - type of -print	
-	10) files modified yesterday	
~	Iv) files modified yesterday Sfind \$HOME -mtime print	
	w)	1
		+
	Of the send to	+
	Other find to - On i) move all liles modified within last 24 hrs to posia directory under parent directory.	+
	Flind type of -mine -1 -exec must strong / posix ;	+
<sup>`</sup>		1
	ii) locate all files named a out or were in your home directory tree & remove them interactively.	1
7	directory tree & remove them interest I wow home	4
		1
		1
~_·	SHOME -exec 9m 52/2 -ok	1
<u> </u>		1
~	iii) locate file login, sql in bracle directory tous in	1
·	iii) locate file login, sql in bracle directory tree & copy it to	1
	Sfind Shome oracle mane "login. egl" - enec up shome ou	
	is the ment of them.	
_		100



We change all directory permissions to 755 & all file permissions to 644 in your home directory.

Sfind \$HOME - type d - perm 777 - exec channel 755

Sfind \$HOME - type f - perm 777 - exec channel 644