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BASIC FILE/FOLDER COMMANDS

1. `cd` : Change directory
Syntax : `cd <directoryurl>`
2. `ls` : list files and directories
Syntax : `ls <options>`
Options :
 - a : include hidden files(starting with dot).
 - l : detailed long list
 - i : print inode of each file
 - h : size in human readable
 - r : reverse sorting order
 - t : sort by modification time(newest first)
 - S : sort by file size(largest first)
3. `mv` : move a directory/file(can also used to rename)
Syntax : `mv <initial location> <final location>`
4. `rm` : remove a file
Syntax : `rm <options> <filename>`
Options :
 - r : recursive remove
 - f : forceful
 - i : prompt before removal
 - v : verbose(show every action performed)
5. `mkdir` : create a new directory
Syntax : `mkdir <options> <directoryname>`
Options :
 - m : with permission
6. `rmdir` : remove a directory
Syntax : `rmdir <directoryname>`
7. `touch` : create a new file and modify access and modification time
Syntax : `touch <options> <filename>`
Options :
 - a : change access time
 - m : change modification
8. `stat` : gives file/folder details
Syntax : `stat <file/folder name>`
9. `alias` : list all alias
10. `cat` : concat/view data in a file
Syntax :
 - `cat > filename` (create a new file)
 - `cat file1 >> file2` (append file1 data to file2)
 - `cat filename` (view file contents)
11. `chmod` : change file permissions
Syntax : `chmod <octal1> <octal2> <octal3> <filename>`
`chmod <permission> filename`

USER/GROUP PERMISSIONS MANAGEMENT

12. `useradd` : create a new user
Syntax : `useradd <options> <username>`
Options :
 - b : set DEFAULT base directory
 - d : set base directory
 - g : set primary group
 - G : set secondary groups
 - s : set default shell
 - u : set userID
 - p : set password
 - e : set expiry date for user[YYYY-MM-DD]
13. `usermod` : modify user
Syntax : `usermod <options> <username>`
Options :
 - d : change base directory
 - g : change primary group
 - G : change list supplementary groups(separated by comma wi

thout spaces)

-s : change default shell
 -u : change userID
 -e : change expiry date for user[YYYY-MM-DD]

14. groupadd : create a new group
 Syntax : groupadd <options> <group name>
 Options : -g : set groupID
 -p : set password
15. groupmod : modify group
 Syntax : group <options> <groupname>
 Options : -g : modify groupID
 -p : modify password
16. groups : prints all the groups the user belongs to
 Syntax : groups <username>
17. id : show user details
 Syntax : id <username>
18. ps : shows snapshot of processes
 Syntax : ps <options>
 Options : -e : list all processes
 -p : snapshot of specific process by its PID.
 -u : snapshot of processes created by a userID.
 -l : long detailed format
19. kill : send a signal to a process
 Syntax : kill <options> <PID>
20. nice : start a process with custom nice value
 Syntax : nice -n <nice value> <process>
21. renice : modify the nice value of a running process
 Syntax : renice -n <nice value> <option> <value>
 Options : -g : value as groupID
 -u : value as userID
 -p : value as processID(default if no option is given)
22. pstree : show process tree
 Syntax : pstree <option>
 Options : -p : show PID as well
23. crontab : create, view and modify crontab files used for scheduling recurring tasks
 Syntax : crontab <option>
 Options : -l : view crontab file
 -e : edit crontab file
 -r : remove crontab file
 -u : mention user name of crontab file owner

 Syntax of each crontab entry.
 <min> <hour> <day> <month> <year> command
 Each out of five can be replaced by <*> for every.
24. setfacl : set file access control list
 Syntax : setfacl <option>
 Options : -R : recursively apply to sub files and folder

TODO : setfacl, getfacl, gpasswd, umask, suid, guid, sticky-bit, groups, wget

