

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 without 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. id : show user details
 Syntax : id <username>

- 17. 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

- 18. kill : send a signal to a process
 Syntax : kill <options> <PID>

TODO : nice, renice, pstree, umask, suid, guid, sticky-bit