

LINUX CLASS-2

HARDWARE COMMANDS:

lscpu : cpu information of our server

top : used to get cpu utilization

df -h : used to get the 8 volume details (used, available)

free : used to get the free ram in our server

free -m : used to convert the ram in MB

free -h : used to ram info in human readable format

FILE COMMANDS:

- touch filename : used to create a file
- touch aws azure gcp : used to create multiple files
- touch linux{1..5} : this command will create 5 files (linux1,linux2, linux3 linux5)

- rm filename : remove file with permissions (rm means remove)
- rm -f filename : remove file without permissions (-f means forcefully)
- rm -f aws azure gpc : remove multiple files without permissions
- rm -f linux{1..5} : this command will remove linux files from 1 to 5 without permissions
- rm -f * : used to delete all files
- rm -f *.txt : used to delete all files with .txt extension
- rm -f a* : this command will delete all files which are started with "a" letter

FOLDER COMMANDS:

- mkdir foldername : used to create a folder
- mkdir git maven jenkins : used to create multiple folders
- mkdir docker{1..5} : used to create 5 folders at the same time

- `rmdir foldername` : used to remove empty folder
- `rmdir git maven jenkins` : will remove multiple empty folders
- `rmdir docker{1..5}` : used to remove 5 docker empty folders
- `rmdir *` : used to remove all empty folder
- `rm -rf *` : used to remove all files & folders and also it is used to remove non empty folders

LIST THE FILES:

`ll` : used to get list of files

`ls` : used to get list of files

`ll` vs `ls`

`ll` : will give the full info about files/folders

`ls` : it will give only file/folder names

`ll -t` : will gives the files based on time

`ll -r` : will gives the files on reverse order

`ll -a` : used to show hidden files

CHANGE DIRECTORY:

- `cd foldername` : used to change directory
- `cd` : used to go to root directory
- `cd -` : used to go to previous folder
- `cd ../` : used to go to one folder back
- `cd ../../` : used to go to 2 folders back

DIRECTORY COMMANDS:

- `mkdir folder1/folder2` : this will creates folder2 inside folder1
- `ll folder1` : used to get list of files & folder which are present in folder1
- `touch folder1/aws.txt` : used to create file inside a folder

- `mkdir -p aws/azure/gcp/ccit` : used to create parenting folder (folder inside the folder) automatically