

LINUX CLASS-2

HARDWARE COMMANDS:

- `lscpu` (or) `cat /proc/cpuinfo` : used to get cpu information
- `free -m` (or) `cat /proc/meminfo`: used to get RAM information
- `df -h` : used to get used, available memory of our system
- `fdisk -l` : used to get no of volumes that are attached to our system.

FILE COMMANDS:

- To create a file : **`touch filename`**

To see the list the of files: **`ll`** (or) **`ls`**

Diff b/w `ll` & `ls`

If we use `ll`, then we will get full information about files

If we use `ls`, then we will get only file names

- To create multiple files : **`touch file1 file2 file3`**
- To create files in sequential order : **`touch file{1..7}`**

REMOVE A FILE:

- To remove any file with permission : **`rm filename`**
- To remove multiple files with permissions: **`rm file1 file2 file3`**
- To remove any file without permission : **`rm -f filename`**
- To remove multiple files without permissions: **`rm -f file1 file2 file3`**
- To remove the files without our permission in sequential order : **`rm -f file{1..7}`**
- To remove all files without permissions : **`rm -f *`** (here * means all)
- To remove all files which are started with A letter: **`rm -f a*`**
- To remove all .txt files : **`rm -f *.txt`**

DIRECTORY: (FOLDER)

To create a directory in linux we use `mkdir` command

mkdir : make directory

- To create a directory : mkdir directory_name
- To create multiple directories : mkdir folder1 folder2 folder3
- To create directories in sequential order : mkdir folder{1..8}

To remove empty directories : rmdir foldername

- To remove multiple empty directories : rmdir folder1 folder2 folder3
- To remove directories in sequential order : rmdir folder{1..5}
- To remove all directories : rmdir *
- To remove all files & folder at the same time : **rm -rf ***
- To remove non-empty directories : rm -rf folder_name
- To remove multiple non-empty directories : rmdir folder1 folder2 folder3

Here rm = remove

rf = recursive forcefully

* = all

HOW TO CHANGE DIRECTORIES (cd):

- cd folder1 : used to change the directories
- 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