1. How to see list directory content :

**ls**

**ls -a** (all files include hidden files)

**ls -l** (use long listing format)

wildcard :

**ls \*** (the most detail list)

**ls file[0-9].txt** of **ls file{1..9}.txt** (will show the file number 0 - 9)

1. How to know current working directory :

**pwd**

1. How to Call directory / access the folder :

**cd folder**

**cd folder1/folder2/folder3**

**cd ..** (back to previous directory)

**cd ~** or **cd** (back to home directory)

1. How to create a file :

**touch file**

Example-1: **touch file1.txt**

Example-2: **touch "secret file.txt”**

Example-3: **touch file{A,B,C).txt** (generate three files: fileA, fileB, fileC)

Example-4: **touch file(1..3).txt** (generate three files: file1, file2, file3)

1. How to create a folder :

**mkdir foldername**

Example-1 **mkdir myFolder**

Example-2 **mkdir "My Folder"** (create folder which the naming contain space)

Example-3 **mkdir .mySecretFolder** (create hidden folder)

Example-4 **mkdir -p folder1/folder2/folder3** (create nested folder)

1. How to delete file :

**rm filename**

example-1 : **rm myfile.txt**

1. How to delete folder :

**rm -r foldername**

example-1 : **rm -r myfolder**

1. How to copying files & folders :

cp sourceFile destinationFile

Example-1 : **cp file1.txt file2.txt** (Copy file1 and generate new file with a name file2 which contain file1's data)

Example-2 : **cp file3.txt** **destinationFolder** (Copy file3 to destinationFolder)

Example-3 : **cp file1.txt file2.txt** **destinationFolder** (copy file1 and file2 to destinationFolder)

Example-4 : **cp -r sourceFolder destinationFolder** (copy sourceFolder include all files in it to destinationFolder)

1. How to move & rename files and folders :

**mv oldname newname**

Example-1 : **mv oldFile.txt newFile.txt**

Example-2 : **mv oldFolder newFolder**

Example-3 : **mv oldFolder/file1 newFolder**

Example-4 : **mv oldFolder/\* newFolder**

Example-5 : **mv newFolder existingFolder**

Example-6 : **mv download/newFolder documents/existingFolder**

1. How to editing files using nano :

**nano filename**

Example : **nano file1.txt**

Notes :

* Get Help (CTRL + G to read manual book of nano editor)
* Write Out (CTRL + O and ENTER to save edited file)
* Exit (CTRL + X to exit nano editor)

1. How to viewing files :

**cat file.txt**

**tac file.txt** (reverse from cat)

**more file.txt**

1. File Archiving and Compression Technique :

**tar -cvf newArchive.tar file{1..3}.txt** (create new archive)

**tar -xvf newArchive.tar file{1..3}.txt** (extract archive)

**gzip newArchive.tar** (zip with gzip data compression algorithm)

**gunzip newArchive.tar.gz** (unzip)

**bzip2 newArchive.tar** (zip with bzip2 data compression algorithm)

**bunzip2 newArchive.tar.bz2** (unzip)

**zip newArchive.zip file{1..3}.txt** (create new archive and zip / compress)

**unzip newArchive.zip** (unzip)

1. APT (Advanced Package Tool) Commands :

**sudo apt-get update** (updates your cache)

**sudo apt-get upgrade** (upgrades all the software on your system)

note : make sure you update the cache before you upgrade!

**sudo apt-get install "software's name"** (download and install software)

Example : **sudo apt-get install zip**

Summary :

1. CREATE using the touch and mkdir commands.

2. DELETE using the rm and rmdir commands.

3. COPY using the cp command.

4. MOVE & RENAME using the mv command.