**My Linux commands**

**Touch <file name>** [to create file only]

**vim <file name>** [create and edit]

**Nano <file name>** [create and edit]

**Ls** [to check list of files]

**Ls - la** [to check hidden folders]

**Ls -l** [to check timestamp of files]

**Man <command name>** [to get manual of specific command]

**Mkdir <folder name>** [to create folder]

**History** [to check history of the commands you used]

**Chmod 777 <file name>** [to change permissions of file or directory ]

**Pwd** [to get current location of terminal]

**Cd** **<folder name>**[to get into folder]

**Cd ..** [to come out of folder]

**Echo** [it's a print function of bash]

**Sh <file name>** [to run script ] {chmod not required}

**./<file name>** [to run script] {no space}

**Cat <file name>** [to check file]

**zcat <file name>** [to check zip file]

**Dir <folder name>** [to check folder]

**Free -h** [to check detail about memory]

**Df -h** [to check storage]

**Nproc** [to check the cpu]

**Htop** [more advance version of top]

**Top** [to get all details]

**Ps** [to check all process in more detail in system]

**Ps -ef** [to check all the process running in system]

**Ps -ef | grep <case sensitive>** [to fetch any detail from system]

**Grep** [grep is a filter that can match a word from the line in a file]

**|** [it’s a pipe command which distribute two commands]

**Sudo Useradd -m <user name>** [to add user]

**Sudo Passwd <add passwd>** [to add password to new user]

**Cat /etc/group** [to check recent added users/group]

**Exit** [to come out of new user]

**Sudo userdel <user name>** [to delete user]

**Sudo groupadd <group name>** [to create group]

**Sudo groupdel <group name>** [to delete group]

**Sudo gpasswd -a <username> <groupname>** [to add single user to group]

**Sudo gpasswd -M <user1,user2,user3> <groupname>** [to add multiple user to group]

**Uname** [to get the information about os]

**Mv** [to move and to rename files and folders]

**Cp** [to copy files from one folder to another folder]

**Cp -r** [to copy folder to another folder]

**Rm** [to remove files]

**Rm -r** [to remove folder empty or loaded]

**Head <file name>** [to print top 5 lines from script]

**Tail** **<file name>** [to print bottom 5 lines from script]

**Less <file name>** [to see file content in full page]

**More <file name>** [to see file content in terminal view]

**Wc <file name>** [to get no. of lines, words and bytes]

**Cut -b <1-5> <file name>** [to get the piece of particular line]

**Sort <file name>** [to sort text in files]

**Diff <file one> <file two>** [to check diffrence between file]

**Du** [to check files quantity]

**Nohup <command>** [to add any command result in a nohup file]

**Uname -a** [to check the os of the system]

**Uptime** [to check time and how many user and load of the terminal]

**Date** [to get the current date]

**Which <software name>** [to get the location of software install in system]

**Id** [to get user id or group id]

**Whoami** [to check your user name]

**Sudo** [gives you super user permission to go in any files]

**Sudo shutdown** [to stop remote sever ex. Aws instances]

S**udo reboot** [to reboot remote server]

**Apt(application package manager)** [to install any software in Linux vm]

**Sudo chown <new owner name> <file name>** [to change owner of file]

**Sudo chgrp <new group name> <file name>** [to change group of file]

**Zip -r <new folder.zip> <folder name>** [to convert any folder to zip]

**Zip <new file.zip> <file name>** [to convert any file to zip]

**Unzip <filename>** [to unzip any zip file]

**Locate <filename>** [to find location of particular file]

**Uniq <filename>** [to get the uniq value and filter duplicate]

**Networking commands**

**Ping <google.com>** [to check if website is working or not]

**Netstat** [to check active connection of your system]

**Ss** [works almost same as netstat]

**Ifconfig** [it display the current network interface configuration information]

**Traceroute <goolge.com>** [is an network diagnostic used to track ip network from source to destination]

**Tracepath <google.com>** [to find network path between a source host and a destination host]

**Mtr <google.com>** [to get ping and ip of the website]{use mt instead of ping and tracepath}

**Nslookup <google.com>** [to check ip address and its active or not]

**Telnet <google.com>** [it helps to connect with port number]

**Hostname** [to check system hostname]

**Sudo hostnamectl set-hostname vipul** [to change system hostname]

**Ip address show** [to get your ip address]

**Iwconfig** [to check if your terminal is running any wireless connection]

**Whois <google.com>** [to get all details of the domain of any website]

**Dig <google.com>** [it used for retrieving information about DNS name server]

**Arp <google.com>** [if you want to find mac address of any website]

**Ifplugstatus** [to check the interfaces is active or not]

**Curl -X GET <api link> |jq** [to work with api just like postman]

**Curl -s -k —insecure <weblink>** [to scrape all elements of web to the ternimal]

**Wget <download link>** [to download any file ,document]

**Watch <command>** [to run anything in loop in every 2 second] {this command is to check status on every 2 second}

**Nmap -v <website>** [if you want to scan any website]

**Route** [to get router information of the system]

**Tee <filename>** [to create new file of working script ]

**Check trainwithshubham on YouTube if you can't understand the command.[episode 4 of Linux command]**