**cd /** takes us into root directory

**ls** shows all folders names

**cd** change directory

**cd home** takes into home folder

**cd ..** aik step back janey keliye

**clear** the whole output

if I wants to make a new folder mtlb dir than I write **mkdir cli**

**cd cli/** for change of directoy to cli

agar file bnani hotw **touch file name**

agar file edit krni ho cli main tw  **vi file name** aik new interface khul jayega jahan file mn likhne keliye **I** press krengy takay insret mode open ho phr write krny ke bad bahir anay keliye **excape** daba dengy file save krne keliye **shift + semicolon** press krengy :wq and press enter iska mtlb successfully save hogya

**cat “file name”** command print data of file

**agar folder copy karke paste krna ho tw kesay krengy?**

Ans: **cp** filename “jahan paste krna uska address lekin hmesha root se daikhengy”

Then **ls** ki command se check krengy ke copy huwa ya nhi

**Agar folder cut paste krna hotw command line interface se kesay krengy?**

Ans: **mv** **filename (**jahan move krna uska root se address)

Ls ki command dal kr check krengy directory jahan se cut kra ke kya wo wahn se remove huwa ya nhi

**Agar koi folder delete krna ho tw kesay krengy?**

**rm** **filename**

aik aesi command jo hmen show krti hy options ke hum kya kya use krskte hain

**man ls** means **ls** ke sath konse options use kiye jaskte uski details display krday ga

**Agar koi file ya directory search krni tw kesay krengy?**

Ans: **find** (**wo path jahn hmen searching krwani hy) -name “filename”**

Or **find (wo path jahn hmen searching krwani hy) “filename\*”** this means ye particular name ki file jitney bar bhi exist krty hy show krdo

**uname** ki command operating system ka name return krti hy

**uname -a** hmen display krti machine ki information processor artitecture or OS ki detail

**uname -srv** se system name release date or version check krskte

**ls cpu** return info of system ke system main cpu ki speed kya hy or kya cpu ka no hy

**df** tells us disk space jo mounted hue hotey devices se yani kitna space acquire kra

**df -h** human readable output return krta

**du** ki command display krty directory main kitni files hy or hr file kitna data acquire kr rhy hai

**du -s** total size specified directory ka return krti hy

**date** ki command se date return krta

**cal** calender return krta hy

**w** shows who is online means which user is active

**apt -get install <packagename>** koi package install krne keliye

**apt – cache search keyword** is ke through search krskte hain pkgs ke names

**info** returns online information about command

**man command** hmen us particular command ki info show krty hy

**type man** tells location of file

**type mkdir n**ew directory ki location daikhne keliye

**bg** background service agr chl rahy tw daikhne keliye

**free** is waqt kitny memory free hy

**ps** jitney bhi running processes hy show krty hy

**kill processid** process ko stop krty hy

**nice** ki command program ko run krty hy low priority ke sath

top ki command se jitney bhi proces chl rhay wo kitny memory or cpu ko utilize kr rhay

**su –** means switch to root in the cell agr main root user se login nhi hn tw ye mjhe root pe lejayega

**shutdown** se system turnoff hojayega

**apt -get install packagename** if error comes permission denied how to remove it?

Hm normal user mn rehte huwe kis trah access krskte root user ko?

**sudo su** normal user ke andr reh kr root user m login hojayengy then type **apt -get install packagename** for installation

**sudo apt -get install packagename** jis normal user mn hy wahin se easily intall hojayega

linux mn facility hy ke command ke 3,4 words likh kr tab press kren tw auto complete krdeta

**ap**t likh kr double tab press krengy tw tamam commands ki list ajayegy jo apt ke sath use hoskty

**control+a** se command ke start mn lejaskte cursor ko **control+e** se cursor ko command ke end mn move krskte

**Scrpting**>>> agar koi kam bar bar krna ho tw uskeliye akin script bna kr save krlen takay dobara use krlen

Folder create krengy pehle uske insert mode mn jake **#! /bin/bash**

echo my first name is : $1

echo my second name : $2

Iske baad save krke bahir ajana hy

Numeric values se permission dene keliye define krdete

0 no permission 1 executable permission 2 write permission 4 read permission

**ls -l** se classes show krdeta hy ke kisko read write ki permission dete

**chmod** se hum permission assign krdengy file ko

**chmod 777 filename permission assign krdi**

**ls -l** show krdeta hy ke permissions assign hogyi hy

**uptime** se hm check krskte hmara system kitne tym se on hy

**cd ~** hmen home directory pr lejakr khara krdeta hy

**hostname** system ka hostname bta deta hy

**hostname -i** tells us the IP Address

**lscpu** tells info of cpu

**cat / proc/cpuinfo a**lso tells detailed info

**df** tells jo space use hochuka hy but not human readable

**df -h** tells space use hochuka hy in human readable form

**du** se hm specific directory mn check krskte

**du -s** se directory ka total size get hojayega

**sudo apt remove (packagename) uninstall krne keliye**

**apt -cache search packagename** agr package napta ho tw

**alias myfile=”touch myfile.txt”** we are creating a custom command whenever we write **myfile** it will run **touch myfile.txt at backend**

**unalias (filename)** se hum custom command remove krskte

Q:Agar user add del krna hotw kesay krengy?

Ans:Sbse pehle root directory mn jayengy **cd /** se phr **ls** type krengy then **cd home/** se home directory mn gye phr **ls** command dal kr users check kre

Ab user add krne ki bari hy tw **sudo useradd jone -m**

Agar user delete krna hotw **sudo userdel jone -r**

Q:Ab agr password change krna ho tw ki krengy?

**Ans: sudo passwd jone**

**info ls tells us the information of list directory**

**whatis ls** short description btata hy list ki

**which info type info**

**free -h** hmen detail btati ke kitni memory used free or catche mn allocated hy lekin human readable format mn

**ps** hmen btaty hy running processes kitne hain takay hum extra ko kill krske

**kill processid** se process stop krskte

**top** hmen btati kitne process chl rhay sath yeke kitni memory lerhy

**reboot likh kr system reboot krskte shutdown krke system bnd krskte**

**nice** run a program with modified shedulling priority