

LINUX

A shell is a CLI that will interpret our commands and convert the OS what do to
ex. Bash, zsh



Any command of a running instance is process.

To merge :-

cat file.txt two.txt > catd.txt

To know about a cmd, man cmd

cat file.txt | tr a-z A-Z > upper.txt (Redirection)

* To make directory between two folders aka
~~random~~ a make a first

mkdir -p row / middle / hello

- (1) rm -r (To delete recursively) folder
- (2) rm -rf

* df or df -m (display free disk size)
df -hg (human read band and GB)

* du disk usage

* head txt.txt / head -n 4 txt.txt

* tail -n 2 txt.txt

* diff (To compare) diff txt1.txt txt2.txt



1) locate: "x.txt"

2) find. or find.. (to find) find random

3) find. -type d (showing directory in current directory)

4) find. -type f -name "two.txt" or "two*"
 To remove can scripting use
 type f -iname

5) find. -type f -mtime -20 (file that were last 20 min ago)

6) find. -type f -mtime -10

find. -type f -mtime -10

find. -size 1k

find. -perm 777

find. -empty

7) sudo chown root akha.txt
 find. -perm 777

8) find. -type f -name "*.txt"
 " " " -exec rm -f {}

* global regular expression pick - grep

grep "kunal" name.txt

grep "kunal kishore" name.txt

* grep -i "kunal" name.txt (for case sensitive removal)

* grep -n, grep -B 3 "kunal"

* grep -win "kunal" *.txt

* -xwin "kunal" *.txt (current directory)

grep - word, grep - word

for holiday | grep "15-1"



* pager, grep -p "lw" computer.txt

grep -p "1535-16137-16148" computer.txt

~~Each~~ ~~Each~~ alias can be have in browser
ctrl a, ctrl e, ctrl k, ctrl u, tab

To run previous cmd, !2972 or !find

To add multiple lines, use ;

10) sort -r command, sort companies, sort a sort n
reverse

11) jobs
A job is a process running by shell

* wget (to download) sudo yum get and getupdate
* wget -O url

12) Top, 13) uname 14) Zip files: zip computer.txt
zip new.zip AKA Kunal.txt

15) hostname 16) hostname -i

17) useradd user passwd user 12345 18) userdel kunal

19) uname -o -n -r no etc/os-release for OS detail

20) useradd 21) free -h

22) useradd (for virtual memory)



27) id

28) To check whether user exist

29) Getent soap user

30) lsof - list all the open files

31) nslookup google (to check ip address)

32) netstat (to see app open ports)

33) man sedd 34) ifconfig 35) man cat

(or logs)

36) cat -C 1-2 (converts tx to cat columns)

37) htop - ~~terminal~~ program which are ending your session

38) ps aux - To check process id

* Operators

1) & ping google.com & ping - - - (70 min in background)

2) dd echo "first" dd echo "second"

3) || xas abc || echo "word"

4) NOT, &m - > ! (abc.txt)

5) echo "key" >> name.txt

6) { for continuation

7) echo "key" && { echo "hi"; echo "greet" }