

* Linux process commands

a) `ps`

Shows processes running in the current terminal only.

b) `ps -ef`

Shows all running processes of all users with:

→ PID (process ID)

→ PPID (parent process ID)

→ User

→ Command

c) `ps aux`

Displays all the processes with CPU usage, memory usage, process status.

d) `top`

Shows real time running processes and system usage we can see CPU usage, RAM usage, Running tasks (~~press~~ press `q` to exit)

e) `htop`

Advanced and colorful version of `top`

Easy to — kill process

— sort by CPU / RAM

f) pstree

Shows processes in a tree structure shows parent - child Relationships.

g) nice

nice -n is command

sets priority of a process (CPU Scheduling)

* killing processes

a. kill process by name

killall process - name

→ kill all running process with the given name

b. kill a process based on process - name

pkill process - name

→ kills processes by matching their name or pattern

c. kill a single process using process (kill)

kill PID

→ safely safely terminator one specific process.

d. kill - 9

forcefully kills a process (used when its stuck)