

## \* 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 10 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 terminates one specific process.

d. `kill -9`

forcefully kills a process (Used when its stuck)