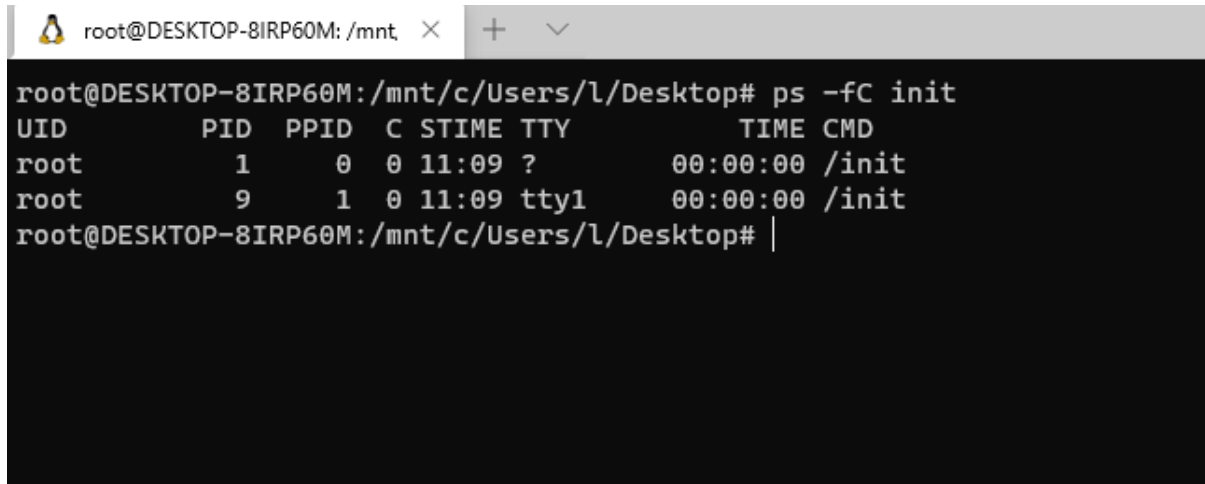# Linux Assignment-3(Day 6)

Question-1:- Use ps to search for the "systemd" process by name.

Ans :- "systemd" is a daemon process which starts as soon as the computer starts and continue till the system is shutdown. It was a replacement of **init** daemon. So it always has a **PID 1**.
Command:- **ps -fC init→** 'ps' is used to view running process in a system. '-C' is used to search a process by its name or command. And init is the name of process.(init is replaced by system).
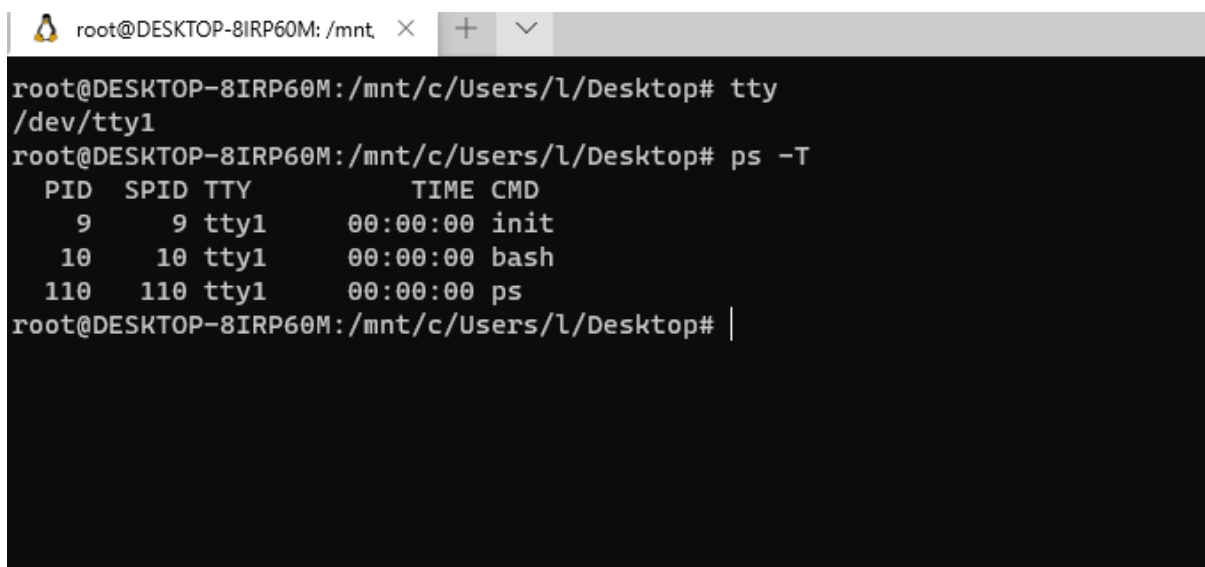

Fig shows ps to search a process by its name

Question-2:- Find out your terminal name.Using your terminal name, use ps to find all processes associated With your terminal.

Ans:-
Command:- **tty:-** is used to display terminal name
       ps –T:- is used to display process running in current terminal

Fig shows current terminal name and all process running in current terminal

Linux Assignment-3(Day 6)

Question-3:- **Check and note the process id of your shell(from the output of the above command). Also, note the parent process id of your shell.**

Ans:-

Command:- **ps –p $$:-** Displays current shell PID.

ps –F:- Displays full format process associated with this pid.

Fig shows pid and ppid of current terminal

Question-4:- Start 3 instances of "sleep 123" as background processes.

Ans:-

Commad:- **sleep 123 &:-** create an instance of sleep 123 in the background

Fig shows creation of sleep 123 instances in the background.

Question-5:- Check and note the process id's of all sleep processes.

Ans:-

Command:- **ps -e | grep sleep:-** shows all the process id's of sleep instances.

Fig shows PID of all sleep processes

Linux Assignment-3(Day 6)

Question-6:- Display only those three sleep processes in top. Then quit top.

Ans:-
Command: -**top -p pid,pid,pid**

```
root@DESKTOP-8IRP60M:/mnt/c/Users/l/Desktop# top -p 169,170,171
top - 12:47:52 up  1:38,  0 users,  load average: 0.52, 0.58, 0.59
Tasks:   3 total,   0 running,   3 sleeping,   0 stopped,   0 zombie
%Cpu(s):  6.2 us, 18.7 sy,  0.0 ni, 74.5 id,  0.0 wa,  0.7 hi,  0.0 si,  0.0 st
MiB Mem :   8112.2 total,   2557.6 free,   5330.5 used,    224.0 buff/cache
MiB Swap:  12456.2 total,  12333.4 free,    122.8 used.   2651.0 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
  169 root      20   0   15276    824    684 S   0.0   0.0   0:00.03 sleep
  170 root      20   0   15276    824    684 S   0.0   0.0   0:00.03 sleep
  171 root      20   0   15276    824    684 S   0.0   0.0   0:00.03 sleep




root@DESKTOP-8IRP60M:/mnt/c/Users/l/Desktop#
```