DAY- 6 ASSINGMENT

(Answer-1): ps Command to search for the "systemd" process by name is Command: ps -e | grep systemd

```
[ec2-user@ip-10-100-1-123 ~]$
[ec2-user@ip-10-100-1-123 ~]$ ps -e | grep systemd
    1 ?    00:00:02 systemd
1660 ?    00:00:00 systemd-journal
1699 ?    00:00:00 systemd-udevd
2487 ?    00:00:00 systemd-logind
[ec2-user@ip-10-100-1-123 ~]$
```

(Answer -2): We can find the terminal name by using COMMAND: w results are shown in below image.

```
[ec2-user@ip-10-100-1-123 ~]$ w
07:45:46 up 6:14, 3 users,
                              load average: 0.00, 0.00, 0.00
                                                        PCPU WHAT
USER
         TTY
                 FROM
                                  LOGIN@
                                           IDLE
                                                  JCPU
                                          26:33
ec2-user pts/0
                 157.47.125.24
                                  07:18
                                                  0.01s 0.01s -bash
                 157.47.125.24
                                  07:37
                                           1.00s
                                                 0.06s
                                                        0.00s w
ec2-user pts/1
ec2-user pts/2
                 157.47.125.24
                                  06:40
                                          55:30
                                                 0.03s
                                                        0.03s -bash
[ec2-user@ip-10-100-1-123 ~]$
```

From the above **command : w** my terminal name is **pts/1**, because recently used command is "w" based on that TTY is pts/1.

--> Command to find the processes associated to <u>my terminal : pts/1</u> is <u>COMMAND: ps -ef | grep pts/1</u> below image shows results for this command.

```
[ec2-user@ip-10-100-1-123 ~]$ w
07:45:46 up 6:14, 3 users, load average: 0.00, 0.00, 0.00
USER
                  FROM
                                   LOGIN@
                                            IDLE
                                                   JCPU
                                                          PCPU WHAT
         TTY
ec2-user pts/0
                  157.47.125.24
                                                   0.01s 0.01s -bash
                                   07:18
                                           26:33
ec2-user pts/1
                  157.47.125.24
                                   07:37
                                            1.00s
                                                   0.06s 0.00s w
                                                   0.03s 0.03s -bash
ec2-user pts/2
                  157.47.125.24
                                   06:40
                                           55:30
[ec2-user@ip-10-100-1-123 ~]$ ps -ef | grep pts/1
ec2-user 2845 2808 0 07:37 ?
                                       00:00:00 sshd: ec2-user@pts/1
ec2-user 2846
ec2-user 3071
                2845 0 07:37 pts/1
                                       00:00:00 -bash
                    0 07:46 pts/1
                2846
                                       00:00:00 ps -ef
ec2-user 3072 2846 0 07:46 pts/1
                                       00:00:00 grep --color=auto pts/1
[ec2-user@ip-10-100-1-123 ~]$
```

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- (Answer 3): From the above image PID & PPID for my shell are process ID for my shell is <u>PID = 2846</u>.

 parent process ID for my shell is <u>PPID = 2845</u>.
- (Answer 4): Command to start 3 instances of "sleep 123" in background is COMMAND: sleep 123 &

```
[ec2-user@ip-10-100-1-123 ~]$
[ec2-user@ip-10-100-1-123 ~]$ sleep 123 &
[1] 3346
[ec2-user@ip-10-100-1-123 ~]$ sleep 123 &
[2] 3349
[ec2-user@ip-10-100-1-123 ~]$ sleep 123 &
[3] 3350
[ec2-user@ip-10-100-1-123 ~]$ ■
```

- (Answer 5): Command used to find the process ID's of sleep process that is running in my terminal (pts/1) is <u>COMMAND</u>: ps -ef | grep pts/1
 - --> The process ID's of all Sleep processes are shown in below image **PID'S**: 3346, 3349, 3350

```
[ec2-user@ip-10-100-1-123 ~]$ ps -ef | grep pts/1
                                     00:00:00 sshd: ec2-user@pts/1
ec2-user 2845 2808 0 07:37 ?
ec2-user 2846 2845 0 07:37 pts/1
                                     00:00:00 -bash
ec2-user 3346 2846 0 07:50 pts/1
                                     00:00:00 sleep 123
ec2-user 3349 2846 0 07:50 pts/1
                                     00:00:00 sleep 123
ec2-user 3350 2846 0 07:50 pts/1
                                     00:00:00 sleep 123
ec2-user 3384 2846 0 07:50 pts/1
                                     00:00:00 ps -ef
ec2-user 3385 2846 0 07:50 pts/1
                                     00:00:00 grep --color=auto pts/1
[ec2-user@ip-10-100-1-123 ~]$
```

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(Answer - 6): To display all three sleep processes running in top is

COMMAND: top -p 3346,3349,3350

Tasks: 3 tota	6:21, 3 users, load average: 0.00, 0.00, 0.00 0 running, 3 sleeping, 0 stopped, 0 zombie 0.0 sy, 0.0 ni, 99.7 id, 0.0 wa, 0.0 hi, 0.0 si, 0.3 st							s+		
KiB Mem: 1006944 total, 425092 free, 118388 used, 463464 buff/cache KiB Swap: 0 total, 0 free, 0 used. 742732 avail Mem									51	
			*	357).	,				***************************************	
PID USER 3346 ec2-user	20	0	VIRT 114636	796	SHR S 732 S	0.0	0.1	0:00.00	The state of the s	
3349 ec2-user 3350 ec2-user			114636 114636	760 752	696 S 688 S		0.1	0:00.00 0:00.00		

---> To exit from **top** press "**q**"

END OF ASSINGMENT