



## Day 6 Assignment

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### Question

1. Use ps to search for the “systemd” process by name.
2. Find out your terminal name. Using your terminal name, use ps to find all processes associated With your terminal.
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.
4. Start 3 instances of “sleep 123” as background processes.
5. Check and note the process id’s of all sleep processes.
6. Display only those three sleep processes in top. Then quit top.

### Answers

1. Use ps to search for the “systemd” process by name.

```
root@kali:~# ps -e | grep systemd
  1 ?          00:00:02 systemd
 322 ?          00:00:02 systemd-journal
 344 ?          00:00:00 systemd-udevd
 597 ?          00:00:00 systemd-logind
 786 ?          00:00:00 systemd
root@kali:~#
```

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

```

root@kali:~# who
root      tty7      2020-12-11 02:55 (:0)
root@kali:~# tty
/dev/pts/0
root@kali:~# #root is logged in the terminal at tty7
root@kali:~# █

```

Process associated with the terminal using ps command :

```

root@kali:~# ps -e | grep pts/0
 2399 pts/0    00:00:00 bash
 2504 pts/0    00:00:00 ps
 2505 pts/0    00:00:00 grep
root@kali:~# # these are the process associated on my terminal by root...
root@kali:~# █

```

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.

```

root@kali:~# ps -ef
UID          PID    PPID  C STIME TTY          TIME CMD
root           1        0  0  02:55 ?        00:00:02 /sbin/init splash
root           2        0  0  02:55 ?        00:00:00 [kthreadd]
root           3        2  0  02:55 ?        00:00:00 [rcu_gp]
root           4        2  0  02:55 ?        00:00:00 [rcu_par_gp]
root           6        2  0  02:55 ?        00:00:00 [kworker/0:0H-kblockd]
root           8        2  0  02:55 ?        00:00:00 [kworker/u4:0-events_unbound]
root           9        2  0  02:55 ?        00:00:00 [mm_percpu_wq]
root          10        2  0  02:55 ?        00:00:00 [ksoftirqd/0]
root          11        2  0  02:55 ?        00:00:00 [rcu_sched]
root          12        2  0  02:55 ?        00:00:00 [migration/0]
root          13        2  0  02:55 ?        00:00:00 [cpuhp/0]
root          14        2  0  02:55 ?        00:00:00 [cpuhp/1]
root          15        2  0  02:55 ?        00:00:00 [migration/1]
root          16        2  0  02:55 ?        00:00:00 [ksoftirqd/1]
root          18        2  0  02:55 ?        00:00:00 [kworker/1:0H-kblockd]
root          19        2  0  02:55 ?        00:00:00 [kdevtmpfs]
root          20        2  0  02:55 ?        00:00:00 [netns]
root          21        2  0  02:55 ?        00:00:00 [kauditd]
root          22        2  0  02:55 ?        00:00:00 [khungtaskd]
root          23        2  0  02:55 ?        00:00:00 [oom_reaper]
root          24        2  0  02:55 ?        00:00:00 [xfsd]

```

```
File Edit View Terminal Tabs Help
root@kali: ~
root 2265 786 0 02:55 ? 00:00:00 /usr/lib/dconf/dconf-service
root 2266 803 0 02:55 ? 00:00:00 /usr/lib/policykit-1-gnome/polkit-gnome-aut
root 2276 786 0 02:55 ? 00:00:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce
root 2304 2208 0 02:55 ? 00:00:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapp
root 2311 786 0 02:55 ? 00:00:00 /usr/libexec/evolution-source-registry
root 2312 2208 0 02:55 ? 00:00:02 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapp
root 2315 2208 0 02:55 ? 00:00:01 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapp
root 2317 2208 0 02:55 ? 00:00:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapp
root 2318 2208 0 02:55 ? 00:00:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapp
root 2330 786 0 02:55 ? 00:00:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
root 2333 1 0 02:55 ? 00:00:00 /usr/lib/udisks2/udisksd
root 2349 786 0 02:55 ? 00:00:00 /usr/libexec/evolution-calendar-factory
root 2364 786 0 02:55 ? 00:00:00 /usr/libexec/evolution-addressbook-factory
root 2379 919 0 02:55 ? 00:00:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.12 /
root 2387 786 0 02:55 ? 00:00:00 /usr/lib/gvfs/gvfsd-metadata
root 2394 2208 0 02:56 ? 00:00:04 xfce4-terminal
root 2399 2394 0 02:56 pts/0 00:00:00 bash
root 2416 2394 0 02:56 pts/1 00:00:00 bash
root 2484 2 0 03:09 ? 00:00:00 [kworker/0:0-events]
root 2507 2 0 03:11 ? 00:00:00 [kworker/1:0-ata_sff]
root 2513 2 0 03:16 ? 00:00:00 [kworker/1:2-ata_sff]
root 2520 2399 0 03:21 pts/0 00:00:00 ps -ef
root@kali:~#
```

4.Start 3 instances of “sleep 123” as background processes.

Starting three instances :

```
File Edit View Terminal Tabs Help
root@kali:~# sleep 123 &
[1] 2536
root@kali:~# sleep 123 &
[2] 2537
root@kali:~# sleep 123 &
[3] 2538
root@kali:~# #started three sleep instances
```

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

```
root@kali:~# ps -ef | grep "sleep"
root 2536 2534 0 03:25 pts/0 00:00:00 sleep 123
root 2537 2534 0 03:25 pts/0 00:00:00 sleep 123
root 2538 2534 0 03:25 pts/0 00:00:00 sleep 123
```

**6.Display only those three sleep processes in top. Then quit top.**

[illegible]