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.

```
s -ef | grep 2210
2207 0 Dec10 tty2
2210 0 Dec10 tty2
2210 0 Dec10 tty2
2210 0 Dec10 tty2
2210 0 Dec10 tty2
root
                                                                                                                       00:00:00 /usr/libexec/gnome-session-binary
                                 2244
                                                                                                                       00:00:45 /usr/bin/gnome-shell
00:00:00 /usr/libexec/gsd-power
root
root
                                                                                                                       00:00:00 /usr/libexec/gsd-print-notifications
00:00:00 /usr/libexec/gsd-rfkill
00:00:00 /usr/libexec/gsd-screensaver-proxy
root
                                 2424
                                                             10 0 Dec10 tty2
root
root
                                                                                                                      00:00:00 /usr/libexec/gsd-sharing
00:00:00 /usr/libexec/gsd-sound
00:00:00 /usr/libexec/gsd-xsettings
 root
root
                                 2439
                                                             100 0 Dec10 tty2
100 0 Dec10 tty2
101 0 Dec10 tty2
 root
                                                                                                                      00:00:00 /usr/libexec/gsd-wacom
00:00:00 /usr/libexec/gsd-smartcard
00:00:00 /usr/libexec/gsd-account
                                 2449
root
                                 2452
 root
                                 2455
                                                                                                                       00:00:00 /usr/libexec/gsd-ally-settings
00:00:00 /usr/libexec/gsd-clipboard
00:00:00 /usr/libexec/gsd-color
                                 2468
root
                                 2469
 root
                                                                                                                      00:00:00 /usr/libexec/gsd-color
00:00:00 /usr/libexec/gsd-datetime
00:00:00 /usr/libexec/gsd-housekeeping
00:00:00 /usr/libexec/gsd-keyboard
00:00:00 /usr/libexec/gsd-media-keys
00:00:00 /usr/libexec/gsd-mouse
00:00:01 /usr/bin/gnome-software --gapplication-service
                                 2475
 root
                                 2478
                                 2479
root
                                 2482
                                                                   0 Dec10 tty2
0 Dec10 tty2
 root
                                 2484
 root
                                 2587
                                                                                                                       00:00:00 /usr/libexec/tracker-miner-apps
00:00:00 /usr/libexec/tracker-miner-fs
00:00:00 /usr/libexec/gsd-disk-utility-notify
                                 2605
                                                                      0 Dec10 ttý2
                                                                    0 Dec10 ttý2
0 Dec10 tty2
root
                                 2607
                                 2611
root
                                                       2723 0 01:04 pts/0
                                                                                                                       00:00:00 grep --color=auto
[root@Control ~]#
```

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

```
5282
                     1019
                          0 01:25 ?
                                              00:00:00
                                                              60
root
root
            5320
                     2723
                           0 01:26 pts/0
                                              00:00:00
                          0 01:26 pts/2
0 01:26 pts/3
                     4982
                                              00:00:00
root
            5322
                     5020
                                              00:00:00
                                                              123
root
            5332
                     3193
                          0 01:26 pts/1
                                              00:00:00 grep --color=auto slee
root
[root@Control home]#
```

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

```
[root@Control home]# ps -ef | grep sleep root 5282 1019 0 01:25 ? 00:00:00 sleep 60 root 5320 2723 0 01:26 pts/0 00:00:00 sleep 123 root 5321 4982 0 01:26 pts/2 00:00:00 sleep 123 root 5322 5020 0 01:26 pts/3 00:00:00 sleep 123 root 5332 3193 0 01:26 pts/1 00:00:00 grep --color=auto sleep [root@Control home]#
```

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

```
| grep sleep
0 02:08 ?
0 02:08 pts/3
                             1019
5020
               35010
35027
root
                                                                00:00:00
                                                               00:00:00
00:00:00
                                      0 02:08 pts/2
                             2723 0 02:08 pts/0
3193 0 02:08 pts/1
                                                                                      123
                                                                00:00:00 grep --color=auto sleep
               35032
root
                          1 running, 296 sleep
1 running, 296 sleep
20 0 7280 82
20 0 7280 82
20 0 7280 82
[root@Control ~]#
                                                                     ing, 0 stoppe
724 S 0.0
764 S 0.0
764 S 0.0
Tasks: 297 total,
                                                     784
828
828
  35010 root
  35027 root
   35028 root
                                                                                              0:00.00
```