

Assignment - 3

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

```
Applications Places Terminal
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# ps -e | grep systemd
  1 ?        00:00:03 systemd
3429 ?        00:00:00 systemd-journal
3468 ?        00:00:01 systemd-udev
7237 ?        00:00:00 systemd-machine
7266 ?        00:00:00 systemd-logind
[root@localhost ~]#
```

- Find out your terminal name. Using your terminal name, use **ps** to find all processes associated

```
root@localhost:~

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[root@localhost ~]# who
root      :0                2020-12-08 17:26 (:0)
root      pts/0                2020-12-08 17:31 (:0)
[root@localhost ~]# tty
/dev/pts/0
[root@localhost ~]# #root is login in terminal /pts/0
[root@localhost ~]#
```

/pts/0 is login terminal for root here

```
Applications Places Terminal
root@localhost:~

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[root@localhost ~]# ps -e | grep "pts/0"
 9467 pts/0    00:00:00 bash
 9861 pts/0    00:00:00 ps
 9862 pts/0    00:00:00 grep
[root@localhost ~]# #These three processes are associated with the terminal pts/0
[root@localhost ~]#
```

- Check and note the process id of your shell(from the output of the above command).

```

root      9400      1      1 17:31 ?        00:00:10 /usr/libexec/gnome-terminal-server
root      9466     9460      0 17:31 ?        00:00:00 gnome-pty-helper
root      9467     9460      0 17:31 pts/0    00:00:00 bash
root      9511      2      0 17:31 ?        00:00:00 [kworker/u256:0]
root      9549      1      0 17:33 ?        00:00:07 /usr/bin/nautilus --gapplication-service
root      9645      2      0 17:35 ?        00:00:00 [kworker/0:2]
root      9790      2      0 17:40 ?        00:00:00 [kworker/0:1]
root      9921      2      0 17:45 ?        00:00:00 [kworker/0:0]
root      9946     9467      0 17:46 pts/0    00:00:00 less
root      9960     7393      0 17:47 ?        00:00:00 sleep 60
root      9961     9467      0 17:47 pts/0    00:00:00 ps -ef
[root@localhost ~]#

```

arent PID Is 9467 and ProcessID Is 9460

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

```

Applications  Places  Terminal
root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# sleep 123
^Z
[1]+  Stopped                  sleep 123
[root@localhost ~]# sleep 123 &
[2] 9410
[root@localhost ~]# sleep 123 &
[3] 9417
[root@localhost ~]# sleep 123 &
[4] 9424
[root@localhost ~]#

```

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

```

9398 ?        00:00:00 sleep
9389 ?        00:00:00 sleep
9399 pts/0    00:00:00 sleep
9410 pts/0    00:00:00 sleep
9417 pts/0    00:00:00 sleep
9424 pts/0    00:00:00 sleep
9438 ?        00:00:00 gvfsd-metadata
9441 pts/0    00:00:00 ps
[root@localhost ~]#

```

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

```

Applications  Places  Terminal

root@localhost:~

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[root@localhost ~]# top -b | grep sleep
Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952    356    284 T  0.0  0.0    0:00.00 sleep
 9410 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9417 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9424 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9455 root      20    0 107952    356    284 S  0.0  0.0    0:00.00 sleep
Tasks: 295 total, 3 running, 291 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952    356    284 T  0.0  0.0    0:00.00 sleep
 9410 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9417 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9424 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9455 root      20    0 107952    356    284 S  0.0  0.0    0:00.00 sleep
Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952    356    284 T  0.0  0.0    0:00.00 sleep
 9410 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9417 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9424 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9455 root      20    0 107952    356    284 S  0.0  0.0    0:00.00 sleep
Tasks: 295 total, 2 running, 292 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952    356    284 T  0.0  0.0    0:00.00 sleep
 9410 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9417 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9424 root      20    0 107952    360    284 S  0.0  0.0    0:00.00 sleep
 9455 root      20    0 107952    356    284 S  0.0  0.0    0:00.00 sleep
^C
[root@localhost ~]#

```

```

Applications  Places  Terminal

root@localhost:~

File Edit View Search Terminal Help

[root@localhost ~]# top -b | grep sleep
Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952    356    284 T  0.0  0.0    0:00.00 sleep
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```