

Assignment 6

a) Display process attributes,

```
osborn@DESKTOP-GOPGL05:~$ ps -ef
UID          PID    PPID  C   STIME TTY          TIME CMD
root           1         0  0  21:04 ?            00:00:00 /init
root          14         1  0  21:04 ?            00:00:00 /init
root          15        14  0  21:04 ?            00:00:00 /init
osborn        16        15  0  21:04 pts/0        00:00:00 -bash
osborn        28        16  0  21:04 pts/0        00:00:00 ps -ef
osborn@DESKTOP-GOPGL05:~$ █
```

b) Display System processes,

```
osborn@DESKTOP-GOPGL05:~$ ps
  PID TTY          TIME CMD
   16 pts/0        00:00:00 bash
   29 pts/0        00:00:00 ps
osborn@DESKTOP-GOPGL05:~$
```

c) Background jobs,

```
osborn@DESKTOP-GOPGL05:~$ top &
[1] 30
osborn@DESKTOP-GOPGL05:~$ █
```

d) Reduce priority,

- nice command to execute a command with a lower priority. The lower the priority value, the lower the priority of the process.

```
osborn@DESKTOP-GOPGL05:~$ nice -n 10 ls
Old calculator file.txt foldercopy india msit sh test touch

[1]+  Stopped                  top
osborn@DESKTOP-GOPGL05:~$ █
```

e) Sending job to background and foreground,

```
osborn@DESKTOP-GOPGL05:~$ top &  
[3] 33  
osborn@DESKTOP-GOPGL05:~$ fg_
```

PID	USER	PRI	NI	VIRT	RES	SHR	S	CPU%	MEM%	TIME+	Command
34	osborn	20	0	5408	3624	3096	R	0.7	0.1	0:00.01	htop
1	root	20	0	928	544	476	S	0.0	0.0	0:00.06	/init
7	root	20	0	928	544	476	S	0.0	0.0	0:00.00	/init
14	root	20	0	1276	372	20	S	0.0	0.0	0:00.00	/init
15	root	20	0	1276	372	20	S	0.0	0.0	0:00.02	/init
16	osborn	20	0	6080	5164	3440	S	0.0	0.1	0:00.04	-bash
30	osborn	20	0	7388	3312	2948	T	0.0	0.1	0:00.00	top
32	osborn	20	0	7784	3296	2932	T	0.0	0.1	0:00.00	top

f) Listing jobs

jobs command to list all jobs currently running in the background.

```
osborn@DESKTOP-GOPGL05:~$ jobs  
[1]-  Stopped                  top  
[2]+  Stopped                  top  
osborn@DESKTOP-GOPGL05:~$
```