

Command Used to Get PID to track -

sudo netstat -lntp

Command Used to Write to Text File -

top -b > filename.txt

Forked Server Results -

```
top - 17:18:42 up 32 min, 0 users, load average: 0.04, 0.01, 0.00
Tasks: 22 total, 1 running, 12 sleeping, 0 stopped, 9 zombie
%Cpu(s): 0.0 us, 0.1 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.1 si, 0.0 st
MiB Mem : 7661.7 total, 7411.8 free, 123.8 used, 126.1 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7346.7 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR S  %CPU  %MEM    TIME+  COMMAND
  770 aflah    20   0 150144   1216  1072 S   1.3   0.0   0:00.04 clientConcurren
    8 root      20   0   1824    104     0 S   0.3   0.0   0:00.26 init
   11 root      20   0   1824    104     0 S   0.3   0.0   0:00.43 init
    1 root      20   0   1804   1188   1104 S   0.0   0.0   0:00.04 init
    7 root      20   0   1824     88     0 S   0.0   0.0   0:00.00 init
    9 aflah    20   0  10316   5400   3476 S   0.0   0.1   0:00.30 bash
   10 root      20   0   1824     88     0 S   0.0   0.0   0:00.00 init
   12 aflah    20   0  10312   5428   3488 S   0.0   0.1   0:00.53 bash
   55 root      20   0   1824     88     0 S   0.0   0.0   0:00.00 init
   56 root      20   0   1824    104     0 S   0.0   0.0   0:00.10 init
   57 aflah    20   0  10188   5344   3464 S   0.0   0.1   0:00.18 bash
  768 aflah    20   0   2496    512    444 S   0.0   0.0   0:00.00 forkedServer
  769 aflah    20   0  10744   3624   3168 R   0.0   0.0   0:00.00 top
  776 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  780 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  782 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  783 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  785 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  786 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  787 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  788 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
  789 aflah    20   0     0      0      0 Z   0.0   0.0   0:00.00 forkedServer
```

Multi Threaded Server Results -

```
top - 16:56:09 up 9 min, 0 users, load average: 0.00, 0.01, 0.00
Tasks: 12 total, 1 running, 11 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni, 100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7661.7 total, 7420.8 free, 118.9 used, 122.0 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7353.6 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	1804	1188	1104	S	0.0	0.0	0:00.04	init
7	root	20	0	1824	88	0	S	0.0	0.0	0:00.00	init
8	root	20	0	1824	104	0	S	0.0	0.0	0:00.10	init
9	aflah	20	0	10188	5344	3476	S	0.0	0.1	0:00.11	bash
10	root	20	0	1824	88	0	S	0.0	0.0	0:00.00	init
11	root	20	0	1824	104	0	S	0.0	0.0	0:00.22	init
12	aflah	20	0	10312	5404	3488	S	0.0	0.1	0:00.24	bash
55	root	20	0	1824	88	0	S	0.0	0.0	0:00.00	init
56	root	20	0	1824	104	0	S	0.0	0.0	0:00.02	init
57	aflah	20	0	10188	5336	3464	S	0.0	0.1	0:00.09	bash
330	aflah	20	0	2648	620	536	S	0.0	0.0	0:00.00	serverThreaded
331	aflah	20	0	10744	3648	3192	R	0.0	0.0	0:00.00	top

Select Server Results -

```
top - 17:02:12 up 15 min, 0 users, load average: 0.02, 0.01, 0.00
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni, 100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7661.7 total, 7416.5 free, 119.7 used, 125.6 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7351.1 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
460	aflah	20	0	2496	508	444	S	0.0	0.0	0:00.00	selectserver

Poll Server Results -

```
top - 17:08:21 up 21 min, 0 users, load average: 0.00, 0.00, 0.00
Tasks: 1 total, 0 running, 1 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.2 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7661.7 total, 7414.7 free, 120.9 used, 126.0 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7349.6 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
577	aflah	20	0	2496	576	512	S	0.3	0.0	0:00.01	pollserver

Epoll Server Results -

```

top - 18:39:29 up 3 min,  0 users,  load average: 0.00, 0.00, 0.00
Tasks:  1 total,  0 running,  1 sleeping,  0 stopped,  0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :  7661.7 total,  7480.0 free,   110.2 used,    71.5 buff/cache
MiB Swap:  2048.0 total,  2048.0 free,    0.0 used.  7387.5 avail Mem

   PID USER      PR  NI   VIRT   RES    SHR S  %CPU  %MEM     TIME+ COMMAND
    80 aflah    20   0   2492    508    440 S   0.0   0.0   0:00.00 epollserver

```

No Inference can be drawn as Ma'am had commented and posted on GC, we'll be given new methods later on to do the same hence I used the method I knew to get the stats which are all mostly 0 due to the fast execution time.