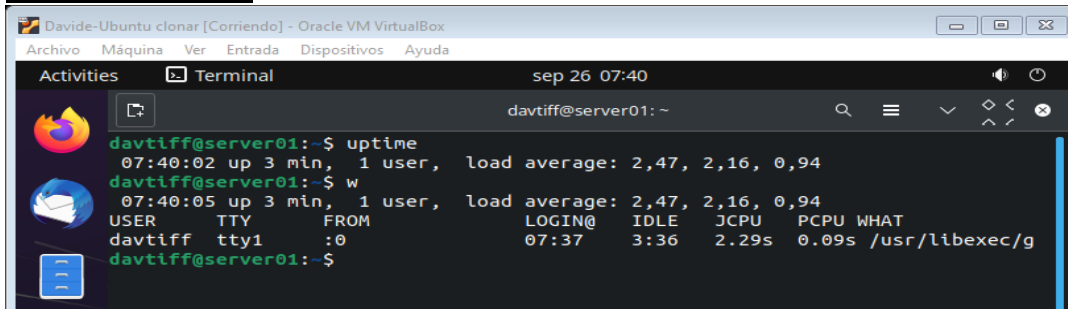


Nombre: Tiffany Andrea Jordán Uquillas

Taller: Procesos

Primer Enunciado



```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Activities  Terminal  sep 26 07:40
davtiff@server01: ~
davtiff@server01:~$ uptime
07:40:02 up 3 min, 1 user,  load average: 2,47, 2,16, 0,94
davtiff@server01:~$ w
07:40:05 up 3 min, 1 user,  load average: 2,47, 2,16, 0,94
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU   WHAT
davtiff   tty1     :0               07:37    3:36   2.29s  0.09s  /usr/libexec/g
```

¿Cuánto tiempo lleva en marcha el sistema?

3 minutos

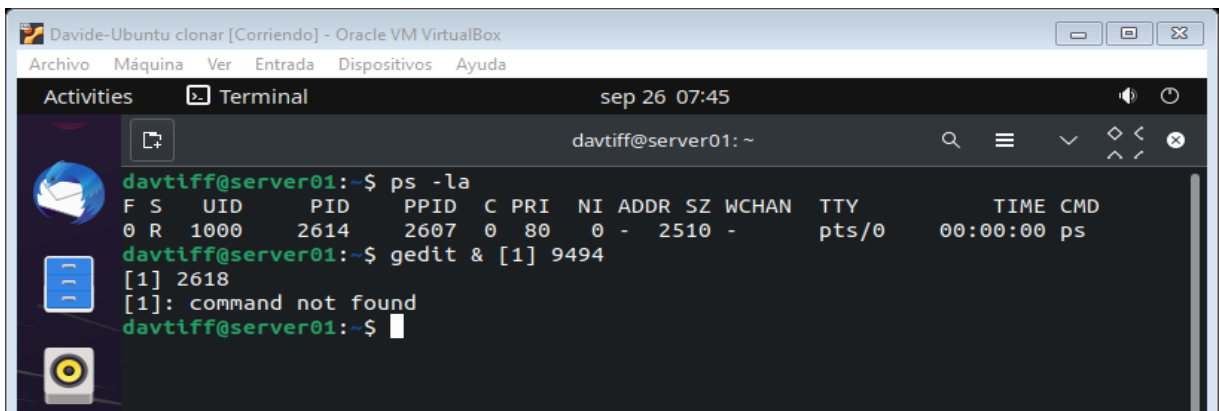
¿Cuántos usuarios hay trabajando?

Hay un solo usuario trabajando.

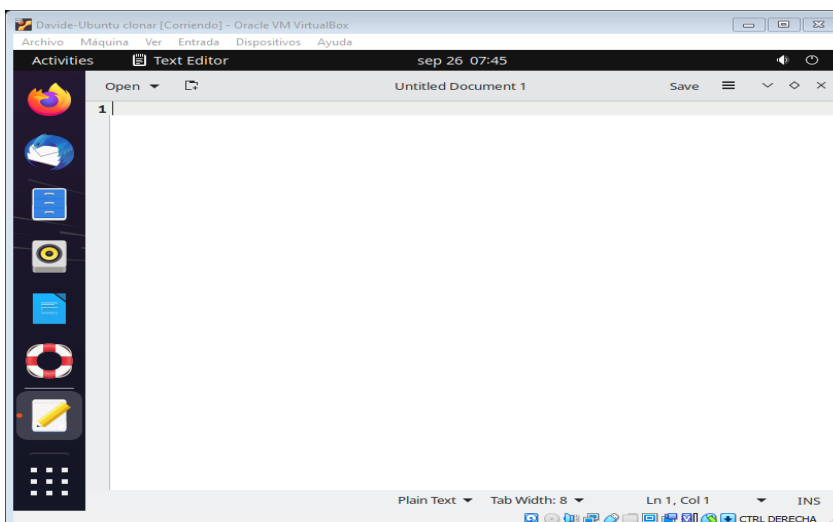
¿Qué comando ofrece en su cabecera la misma información que uptime?

El comando “w”.

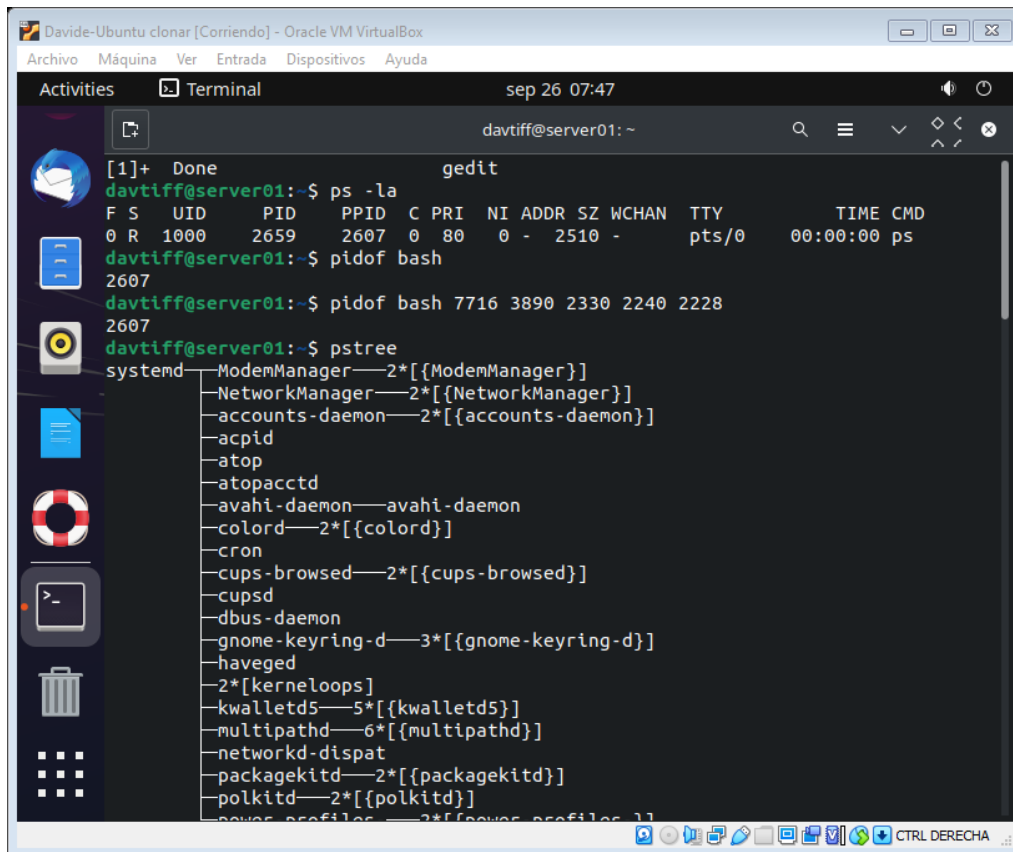
Segundo enunciado



```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Activities  Terminal  sep 26 07:45
davtiff@server01: ~
davtiff@server01:~$ ps -la
F S  UID      PID     PPID  C  PRI  NI ADDR SZ WCHAN  TTY      TIME CMD
0 R  1000      2614    2607  0   80   0  -  2510  -  pts/0    00:00:00 ps
davtiff@server01:~$ gedit & [1] 9494
[1] 2618
[1]: command not found
davtiff@server01:~$
```



Nombre: Tiffany Andrea Jordán Uquillas



The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal output includes the following commands and results:

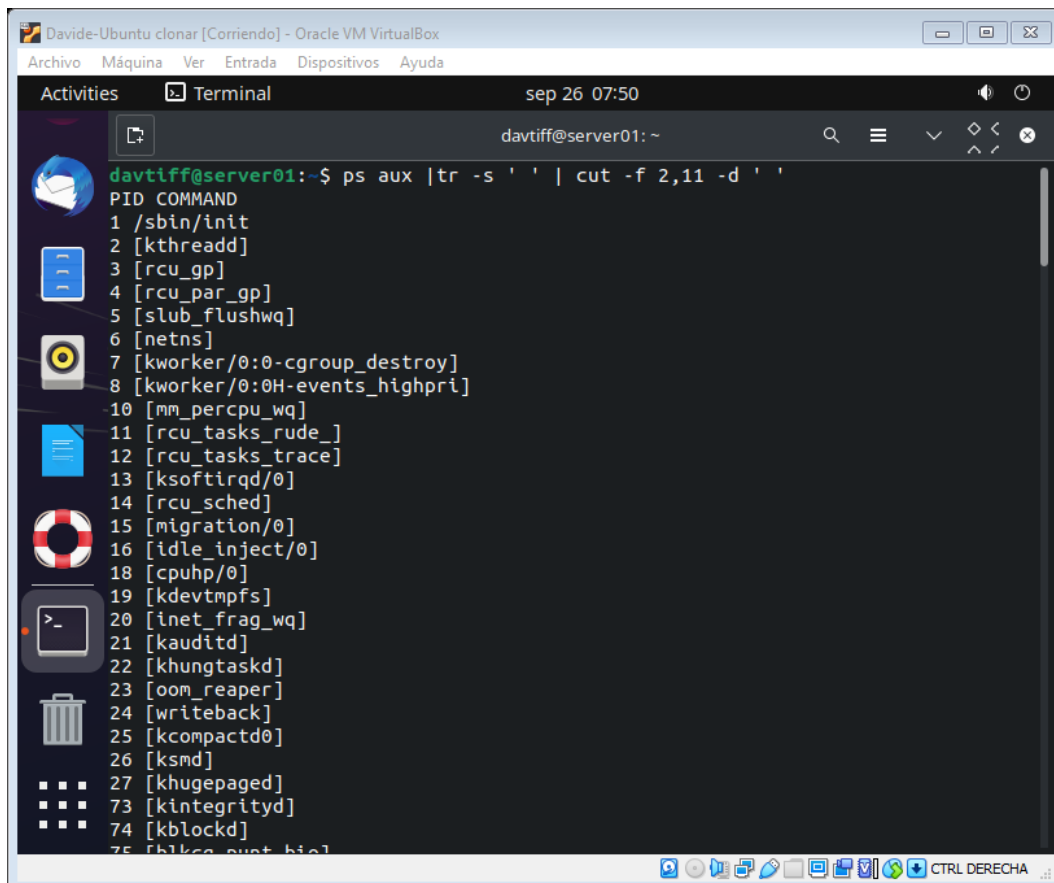
```
[1]+ Done gedit
davtiff@server01:~$ ps -la
F S UID PID PPID C PRI NI ADDR SZ WCHAN TTY TIME CMD
0 R 1000 2659 2607 0 80 0 - 2510 - pts/0 00:00:00 ps

davtiff@server01:~$ pidof bash
2607

davtiff@server01:~$ pidof bash 7716 3890 2330 2240 2228
2607

davtiff@server01:~$ pstree
systemd--ModemManager--2*[{ModemManager}]
--NetworkManager--2*[{NetworkManager}]
--accounts-daemon--2*[{accounts-daemon}]
--acpid
--atop
--atopacctd
--avahi-daemon--avahi-daemon
--colord--2*[{colord}]
--cron
--cups-browsed--2*[{cups-browsed}]
--cupsd
--dbus-daemon
--gnome-keyring-d--3*[{gnome-keyring-d}]
--haveged
--2*[kerneloops]
--kwalletd5--5*[{kwalletd5}]
--multipathd--6*[{multipathd}]
--networkd-dispat
--packagekitd--2*[{packagekitd}]
--polkitd--2*[{polkitd}]
--power-profiles-daemon--2*[{power-profiles-daemon}]
```

Tercer Enunciado

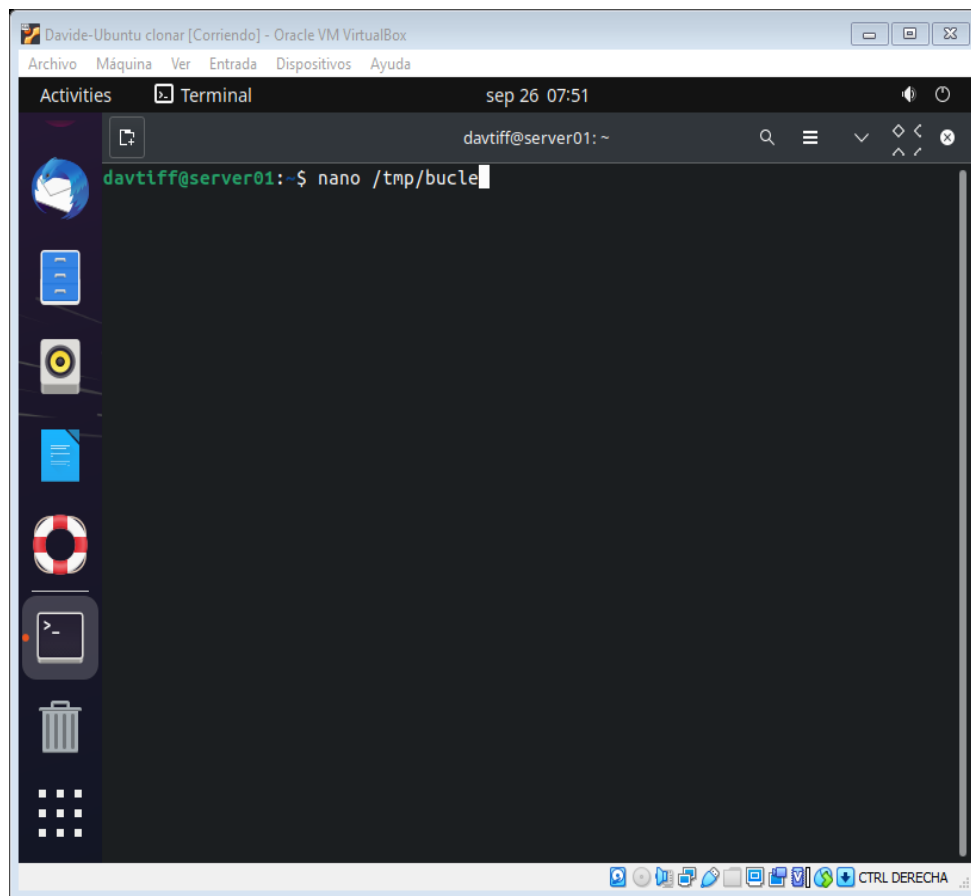


The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal output includes the following command and results:

```
davtiff@server01:~$ ps aux |tr -s ' ' | cut -f 2,11 -d ' '
PID COMMAND
1 /sbin/init
2 [kthreadd]
3 [rcu_gp]
4 [rcu_par_gp]
5 [slub_flushwq]
6 [netns]
7 [kworker/0:0-cgroup_destroy]
8 [kworker/0:0H-events_highpri]
10 [mm_percpu_wq]
11 [rcu_tasks_rude_]
12 [rcu_tasks_trace]
13 [ksoftirqd/0]
14 [rcu_sched]
15 [migration/0]
16 [idle_inject/0]
18 [cpuhp/0]
19 [kdevtmpfs]
20 [inet_frag_wq]
21 [kauditd]
22 [khungtaskd]
23 [oom_reaper]
24 [writeback]
25 [kcompactd0]
26 [ksmd]
27 [khugepaged]
73 [kintegrityd]
74 [kblockd]
75 [blkcg_sust-bio]
```

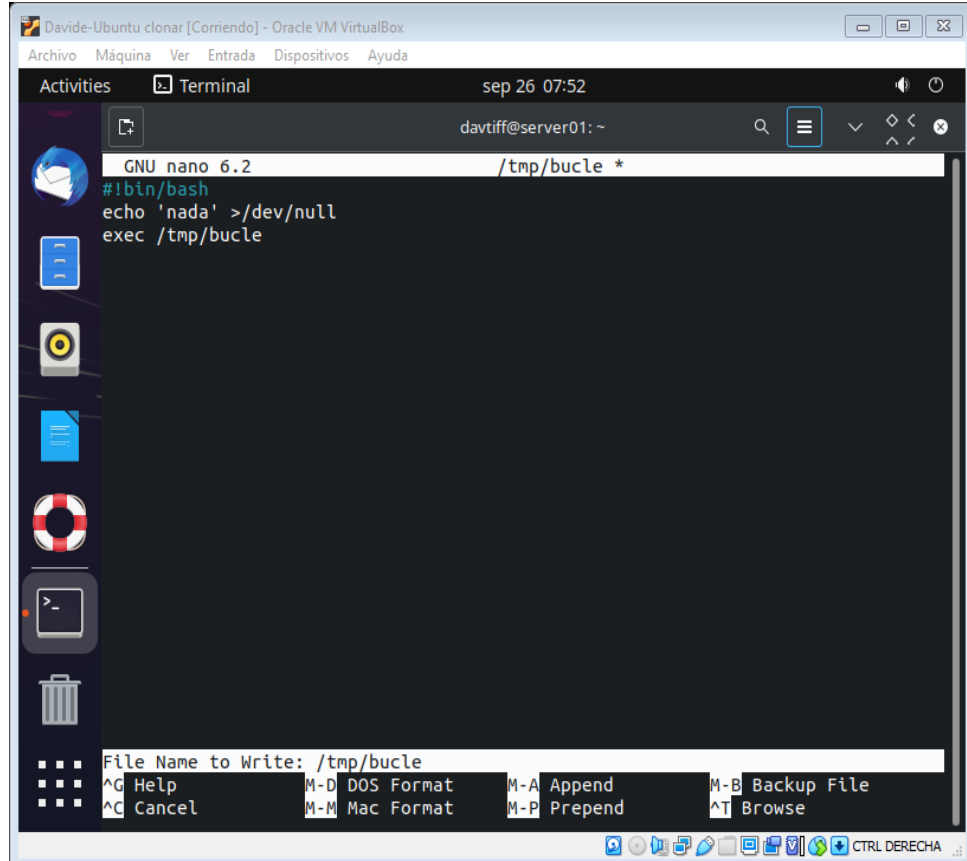
Nombre: Tiffany Andrea Jordán Uquillas

Cuarto enunciado



The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal prompt is "davtiff@server01: ~". The command "nano /tmp/bucle" has been entered and is highlighted in green. The terminal window is part of a desktop environment with a sidebar on the left containing icons for applications and a top bar with the date "sep 26 07:51".

```
davtiff@server01:~$ nano /tmp/bucle
```



The screenshot shows the nano text editor interface. The title bar indicates "GNU nano 6.2" and the file path is "/tmp/bucle *". The editor contains the following text:

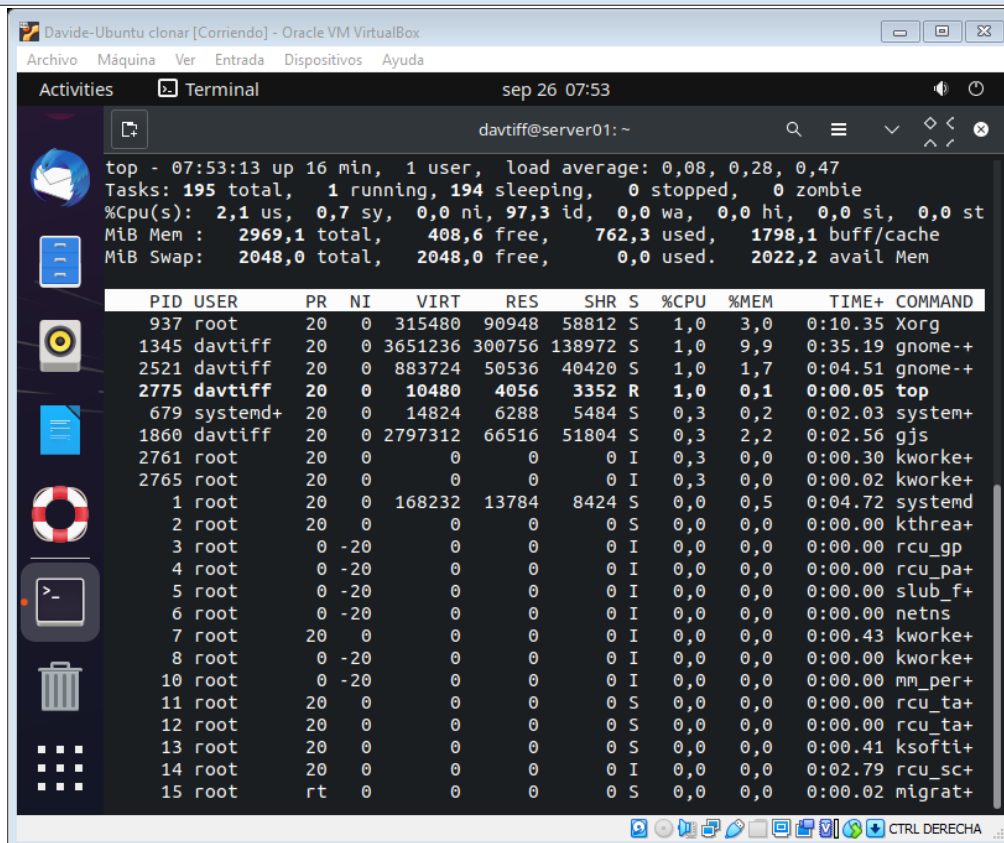
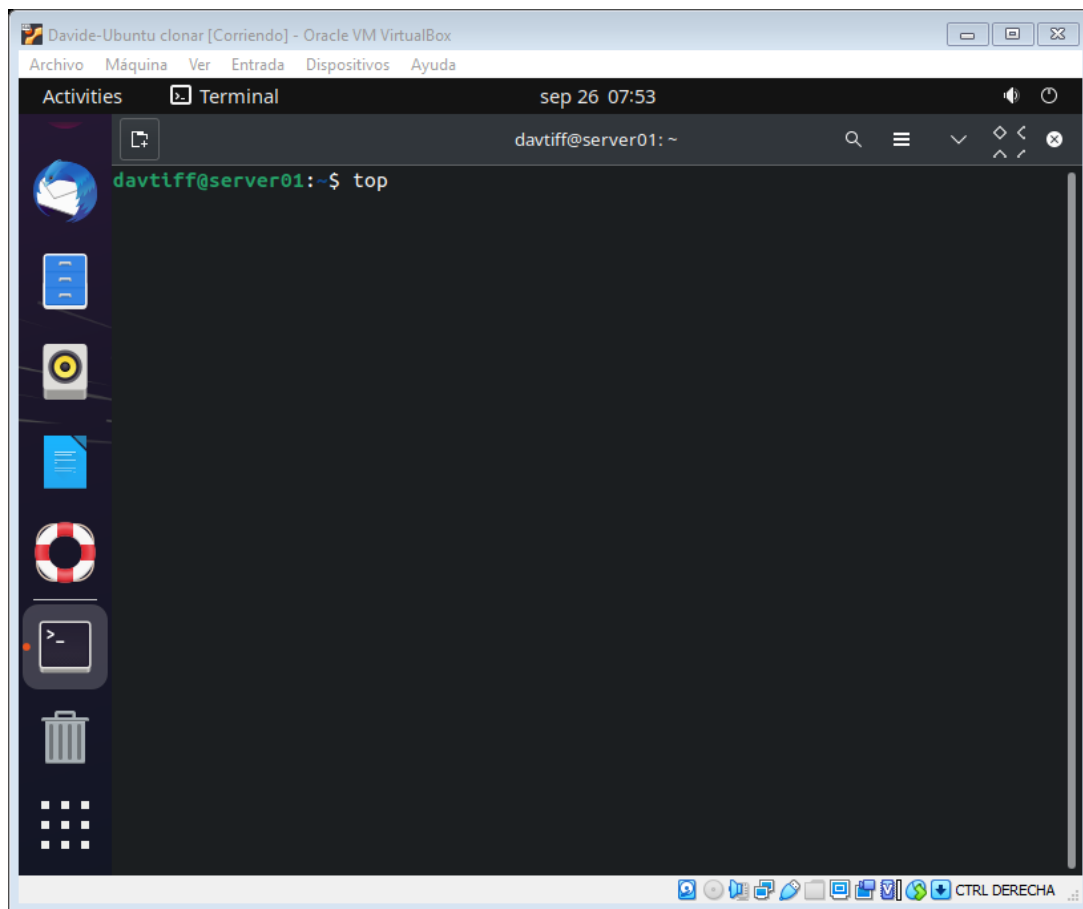
```
#!/bin/bash
echo 'nada' >/dev/null
exec /tmp/bucle
```

At the bottom of the screen, a menu is visible with the following options:

File Name to Write: /tmp/bucle	M-D DOS Format	M-A Append	M-B Backup File
^G Help	M-M Mac Format	M-P Prepend	^T Browse
^C Cancel			

Nombre: Tiffany Andrea Jordán Uquillas

Primera ejecución



Nombre: Tiffany Andrea Jordán Uquillas

Segunda ejecución

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:01
davtiff@server01: /

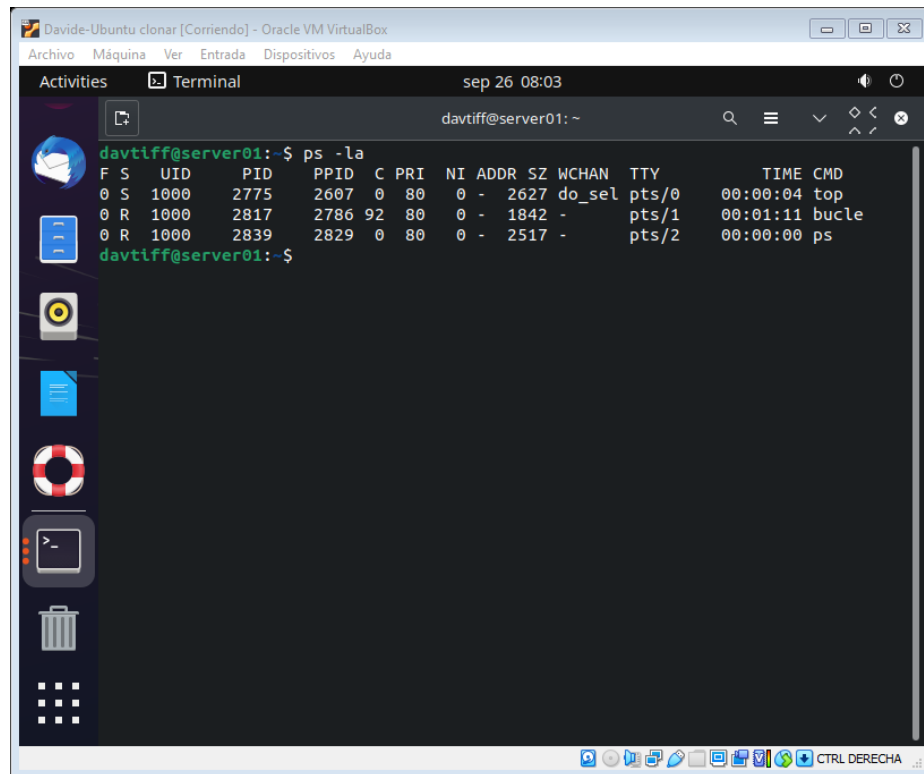
davtiff@server01:~$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: Permission denied
davtiff@server01:~$ ls -la bucle
ls: cannot access 'bucle': No such file or directory
davtiff@server01:~$ chmod 777 ./tmp/bucle
chmod: cannot access './tmp/bucle': No such file or directory
davtiff@server01:~$ cd /tmp
davtiff@server01:/tmp$ chmod 777 bucle
davtiff@server01:/tmp$ ls -la bucle
-rwxrwxrwx 1 davtiff davtiff 51 sep 26 07:52 bucle
davtiff@server01:/tmp$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ sh bucle
bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ cd ..
davtiff@server01:~$ sh /tmp/bucle
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:02
davtiff@server01: ~

Tasks: 195 total, 2 running, 193 sleeping, 0 stopped, 0 zombie
%Cpu(s): 47,2 us, 52,8 sy, 0,0 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 408,4 free, 759,7 used, 1801,0 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,1 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 2817 davtiff    20   0   4228   1444  1284  R   95,7   0,0   0:18.51 bin/ba+
 1116 davtiff    20   0   20856  6588  5488  S    1,7   0,2   0:00.30 /usr/b+
  937 root        20   0   317208  92532  60396  S    0,7   3,0   0:14.66 /usr/l+
 1345 davtiff    20   0 3653116 302784 140692  S    0,7  10,0   0:45.43 /usr/b+
   13 root        20   0         0         0         0  S    0,3   0,0   0:00.53 [ksoft+
   14 root        20   0         0         0         0  I    0,3   0,0   0:02.93 [rcu_s+
  679 systemd+   20   0   14824   6288  5484  S    0,3   0,2   0:03.01 /lib/s+
 2521 davtiff    20   0   884580 51116  40424  S    0,3   1,7   0:08.03 /usr/l+
 2775 davtiff    20   0   10508   4056  3352  R    0,3   0,1   0:04.14 top
    1 root        20   0 168232 13784  8424  S    0,0   0,5   0:04.73 /sbin/+
    2 root        20   0         0         0         0  S    0,0   0,0   0:00.00 [kthre+
    3 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [rcu_g+
    4 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [rcu_p+
    5 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [slub_+
    6 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [netns]
    7 root        20   0         0         0         0  I    0,0   0,0   0:00.43 [kwork+
    8 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [kwork+
   10 root         0 -20         0         0         0  I    0,0   0,0   0:00.00 [mm_pe+
   11 root        20   0         0         0         0  S    0,0   0,0   0:00.00 [rcu_t+
   12 root        20   0         0         0         0  S    0,0   0,0   0:00.00 [rcu_t+
   15 root        rt    0         0         0         0  S    0,0   0,0   0:00.02 [migra+
   16 root       -51   0         0         0         0  S    0,0   0,0   0:00.00 [idle_+
   18 root        20   0         0         0         0  S    0,0   0,0   0:00.00 [cpuhp+
```

Nombre: Tiffany Andrea Jordán Uquillas



The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal is running the command `ps -la` on a system named `server01`. The output is a table of process information.

F	S	UID	PID	PPID	C	PRI	NI	ADDR	SZ	WCHAN	TTY	TIME	CMD
0	S	1000	2775	2607	0	80	0	-	2627	do_sel	pts/0	00:00:04	top
0	R	1000	2817	2786	92	80	0	-	1842	-	pts/1	00:01:11	bucle
0	R	1000	2839	2829	0	80	0	-	2517	-	pts/2	00:00:00	ps

Tercera ejecución

Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:05
davtiff@server01: /

davtiff@server01:~$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: Permission denied
davtiff@server01:~$ ls -la bucle
ls: cannot access 'bucle': No such file or directory
davtiff@server01:~$ chmod 777 ./tmp/bucle
chmod: cannot access './tmp/bucle': No such file or directory
davtiff@server01:~$ cd /tmp
davtiff@server01:/tmp$ chmod 777 bucle
davtiff@server01:/tmp$ ls -la bucle
-rwxrwxrwx 1 davtiff davtiff 51 sep 26 07:52 bucle
davtiff@server01:/tmp$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ sh bucle
bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ cd ..
davtiff@server01:/~$ sh /tmp/bucle
^Z
[1]+  Stopped                  sh /tmp/bucle
davtiff@server01:/~$
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:06
davtiff@server01: ~

Tasks: 195 total, 1 running, 193 sleeping, 1 stopped, 0 zombie
%Cpu(s): 1,4 us, 0,3 sy, 0,0 ni, 98,3 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 408,1 free, 758,2 used, 1802,8 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used, 2022,9 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR S %CPU  %MEM    TIME+  COMMAND
 2775 davtiff   20   0 10508  4056  3352 R  0,7   0,1   0:05.71 top
   679 systemd+  20   0 14824  6288  5484 S  0,3   0,2   0:03.38 /lib/s+
   937 root      20   0 322696 97984 62088 S  0,3   3,2   0:16.26 /usr/l+
  1345 davtiff  20   0 3654844 304496 142412 S  0,3  10,0   0:50.23 /usr/b+
  2521 davtiff  20   0 886100 52324 40436 S  0,3   1,7   0:09.30 /usr/l+
  2761 root      20   0      0      0      0 I  0,3   0,0   0:01.33 [kwork+
  2805 root      20   0      0      0      0 I  0,3   0,0   0:00.08 [kwork+
    1 root      20   0 168232 13784  8424 S  0,0   0,5   0:04.73 /sbin/+
    2 root      20   0      0      0      0 S  0,0   0,0   0:00.00 [kthre+
    3 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [rcu_g+
    4 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [rcu_p+
    5 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [slub_+
    6 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [netns]
    7 root      20   0      0      0      0 I  0,0   0,0   0:00.43 [kwork+
    8 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [kwork+
   10 root      0 -20      0      0      0 I  0,0   0,0   0:00.00 [mm_pe+
   11 root      20   0      0      0      0 S  0,0   0,0   0:00.00 [rcu_t+
   12 root      20   0      0      0      0 S  0,0   0,0   0:00.00 [rcu_t+
   13 root      20   0      0      0      0 S  0,0   0,0   0:01.06 [ksoft+
   14 root      20   0      0      0      0 I  0,0   0,0   0:03.45 [rcu_s+
   15 root      rt   0      0      0      0 S  0,0   0,0   0:00.03 [migra+
   16 root     -51   0      0      0      0 S  0,0   0,0   0:00.00 [idle_+
   18 root      20   0      0      0      0 S  0,0   0,0   0:00.00 [cpuph+
```


Nombre: Tiffany Andrea Jordán Uquillas

Cuarta ejecución

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Activities  Terminal  sep 26 08:09

davtiff@server01: /

davtiff@server01:~$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: Permission denied
davtiff@server01:~$ ls -la bucle
ls: cannot access 'bucle': No such file or directory
davtiff@server01:~$ chmod 777 ./tmp/bucle
chmod: cannot access './tmp/bucle': No such file or directory
davtiff@server01:~$ cd /tmp
davtiff@server01:/tmp$ chmod 777 bucle
davtiff@server01:/tmp$ ls -la bucle
-rwxrwxrwx 1 davtiff davtiff 51 sep 26 07:52 bucle
davtiff@server01:/tmp$ sh /tmp/bucle
/tmp/bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ sh bucle
bucle: 3: exec: /tmp/bucle: not found
davtiff@server01:/tmp$ cd ..
davtiff@server01:/tmp$ sh /tmp/bucle
^Z
[1]+  Stopped                  sh /tmp/bucle
davtiff@server01:/tmp$ fg %1
sh /tmp/bucle
_
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Activities  Terminal  sep 26 08:09

davtiff@server01: ~

Tasks: 196 total,  2 running, 194 sleeping,  0 stopped,  0 zombie
%Cpu(s): 45,5 us, 54,5 sy,  0,0 ni,  0,0 id,  0,0 wa,  0,0 hi,  0,0 si,  0,0 st
MiB Mem : 2969,1 total,  408,1 free,  758,2 used,  1802,8 buff/cache
MiB Swap: 2048,0 total,  2048,0 free,  0,0 used.  2023,0 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 2817 davtiff   20   0   4228   1476   1320  R   91,5    0,0   5:22.33 bin/ba+
 1345 davtiff   20   0 3654844 304492 142412  S    3,6   10,0   0:53.26 /usr/b+
 1116 davtiff   20   0   20856   6588   5488  S    1,3    0,2   0:04.63 /usr/b+
   13 root       20   0     0     0     0  S    0,3    0,0   0:01.43 [ksoft+
   14 root       20   0     0     0     0  I    0,3    0,0   0:03.83 [rcu_s+
   937 root       20   0 322696 97984 62088  S    0,3    3,2   0:17.42 /usr/l+
 2521 davtiff   20   0 886100 52348 40436  S    0,3    1,7   0:10.10 /usr/l+
 2775 davtiff   20   0   10508   4056   3352  R    0,3    0,1   0:06.45 top
    1 root       20   0 168232 13784 8424  S    0,0    0,5   0:04.73 /sbin/+
    2 root       20   0     0     0     0  S    0,0    0,0   0:00.00 [kthre+
    3 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [rcu_g+
    4 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [rcu_p+
    5 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [slub_+
    6 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [netns]
    7 root       20   0     0     0     0  I    0,0    0,0   0:00.43 [kwork+
    8 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [kwork+
   10 root       0 -20     0     0     0  I    0,0    0,0   0:00.00 [mm_pe+
   11 root       20   0     0     0     0  S    0,0    0,0   0:00.00 [rcu_t+
   12 root       20   0     0     0     0  S    0,0    0,0   0:00.00 [rcu_t+
   15 root       rt   0     0     0     0  S    0,0    0,0   0:00.03 [migra+
   16 root      -51   0     0     0     0  S    0,0    0,0   0:00.00 [idle_+
   18 root       20   0     0     0     0  S    0,0    0,0   0:00.00 [cpuhp+
   19 root       20   0     0     0     0  S    0,0    0,0   0:00.00 [kdevt+
```


Nombre: Tiffany Andrea Jordán Uquillas

¿Por qué aparece siempre el proceso bucle con el mismo PID si se lanza a sí mismo una y otra vez durante su ejecución?

Porque el proceso solamente queda detenido, y no matado. Por lo tanto, siempre se le dará el mismo PID puesto que sigue siendo el mismo proceso.

```
Tasks: 196 total,  2 running, 194 sleeping,  0 stopped,  0 zombie
%Cpu(s): 40,9 us, 59,1 sy,  0,0 ni,  0,0 id,  0,0 wa,  0,0 hi,  0,0 si,  0,0 st
MiB Mem : 2969,1 total,  408,1 free,  758,1 used, 1802,8 buff/cache
MiB Swap: 2048,0 total,  2048,0 free,  0,0 used,  2023,0 avail Mem

PID to renice [default pid = 2817]
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2817	davtiff	20	0	7368	1452	1292	R	95,1	0,0	7:23.50	bin/ba+
1345	davtiff	20	0	3654844	304416	142412	S	2,0	10,0	0:54.08	/usr/b+
1116	davtiff	20	0	20856	6588	5488	S	1,0	0,2	0:06.45	/usr/b+
14	root	20	0	0	0	0	I	0,5	0,0	0:04.19	[rcu_s+
679	systemd+	20	0	14824	6288	5484	S	0,5	0,2	0:03.71	/lib/s+
937	root	20	0	322696	97984	62088	S	0,5	3,2	0:18.02	/usr/l+
2521	davtiff	20	0	886100	52348	40436	S	0,5	1,7	0:10.57	/usr/l+
2775	davtiff	20	0	10508	4056	3352	R	0,5	0,1	0:06.99	top
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.73	/sbin/+
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[kthre+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_g+
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_p+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[slub_+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[netns]
7	root	20	0	0	0	0	I	0,0	0,0	0:00.43	[kwork+
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[kwork+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[mm_pe+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
13	root	20	0	0	0	0	S	0,0	0,0	0:01.79	[ksoft+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	[migra+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	[idle_+
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[cpuhp+

```
Tasks: 196 total,  2 running, 194 sleeping,  0 stopped,  0 zombie
%Cpu(s): 48,2 us, 51,8 sy,  0,0 ni,  0,0 id,  0,0 wa,  0,0 hi,  0,0 si,  0,0 st
MiB Mem : 2969,1 total,  408,1 free,  758,1 used, 1802,8 buff/cache
MiB Swap: 2048,0 total,  2048,0 free,  0,0 used,  2023,0 avail Mem

Change delay from 3,0 to 2
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2817	davtiff	20	0	4228	1456	1300	R	96,4	0,0	6:58.51	bin/ba+
1116	davtiff	20	0	20856	6588	5488	S	1,0	0,2	0:06.09	/usr/b+
13	root	20	0	0	0	0	S	0,3	0,0	0:01.72	[ksoft+
14	root	20	0	0	0	0	I	0,3	0,0	0:04.12	[rcu_s+
679	systemd+	20	0	14824	6288	5484	S	0,3	0,2	0:03.68	/lib/s+
937	root	20	0	322696	97984	62088	S	0,3	3,2	0:17.80	/usr/l+
1345	davtiff	20	0	3654844	304512	142412	S	0,3	10,0	0:53.72	/usr/b+
2521	davtiff	20	0	886100	52348	40436	S	0,3	1,7	0:10.42	/usr/l+
2761	root	20	0	0	0	0	I	0,3	0,0	0:01.52	[kwork+
2775	davtiff	20	0	10508	4056	3352	R	0,3	0,1	0:06.91	top
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.73	/sbin/+
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[kthre+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_g+
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_p+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[slub_+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[netns]
7	root	20	0	0	0	0	I	0,0	0,0	0:00.43	[kwork+
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[kwork+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[mm_pe+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	[migra+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	[idle_+

Nombre: Tiffany Andrea Jordán Uquillas

The screenshot shows a Linux terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal output displays system statistics and a list of running processes.

System Statistics:

```
Tasks: 196 total, 2 running, 194 sleeping, 0 stopped, 0 zombie
%Cpu(s): 40,9 us, 59,1 sy, 0,0 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 408,1 free, 758,1 used, 1802,8 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,0 avail Mem
```

Process List (Output of `ps aux`):

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2817	davtiff	20	0	7368	1452	1292	R	95,1	0,0	7:23.50	bin/ba+
1345	davtiff	20	0	3654844	304416	142412	S	2,0	10,0	0:54.08	/usr/b+
1116	davtiff	20	0	20856	6588	5488	S	1,0	0,2	0:06.45	/usr/b+
14	root	20	0	0	0	0	I	0,5	0,0	0:04.19	[rcu_s+
679	systemd+	20	0	14824	6288	5484	S	0,5	0,2	0:03.71	/lib/s+
937	root	20	0	322696	97984	62088	S	0,5	3,2	0:18.02	/usr/l+
2521	davtiff	20	0	886100	52348	40436	S	0,5	1,7	0:10.57	/usr/l+
2775	davtiff	20	0	10508	4056	3352	R	0,5	0,1	0:06.99	top
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.73	/sbin/+
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[kthre+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_g+
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[rcu_p+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[slub_+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[netns]
7	root	20	0	0	0	0	I	0,0	0,0	0:00.43	[kwork+
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[kwork+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	[mm_pe+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[rcu_t+
13	root	20	0	0	0	0	S	0,0	0,0	0:01.79	[ksoft+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	[migra+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	[idle_+
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00	[cpuph+

The screenshot shows a Linux desktop environment. At the top, a window title bar reads "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". Below it, a menu bar contains "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The desktop background is dark. On the left is a vertical sidebar with icons for "Activities", "Terminal", and several application icons (a blue circle with a white icon, a blue square with a white icon, a yellow circle with a black icon, a blue square with a white icon, a red and white lifebuoy, a terminal icon, a trash can, and a 3x3 grid of dots). The main area is a terminal window titled "Terminal" with a timestamp "sep 26 08:27". The terminal prompt is "davtiff@server01: /". The command "nice -n5 /tmp/bucle" has been entered and is being executed. The terminal window has a title bar with "davtiff@server01: /" and a search icon. At the bottom of the screen is a taskbar with various application icons and the text "CTRL DERECHA".

Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda

Activities Terminal sep 26 08:27
davtiff@server01: ~

top - 08:27:27 up 51 min, 1 user, load average: 1,47, 1,14, 0,96
Tasks: 202 total, 3 running, 197 sleeping, 2 stopped, 0 zombie
%Cpu(s): 13,3 us, 51,8 sy, 34,9 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 407,9 free, 759,6 used, 1801,6 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,2 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 2911 davtiff    25   5   7368   1456  1296 R   69,4   0,0   0:24.60 bucle
 2817 davtiff    30  10   4228   1484  1328 R   22,6   0,0  19:46.08 bucle
   937 root       20   0 318352 93556 60464 S    2,3   3,1   0:25.22 Xorg
 2521 davtiff    20   0 886100 52700 40436 S    2,0   1,7   0:15.99 gnome-+
 1345 davtiff    20   0 3654196 304232 140692 S    1,7  10,0   1:10.73 gnome-+
 1116 davtiff    20   0  20856   6588   5488 S    1,3   0,2   0:18.99 pipewi+
    13 root       20   0     0     0     0 S    0,3   0,0   0:04.37 ksofti+
    14 root       20   0     0     0     0 I    0,3   0,0   0:06.72 rcu_sc+
 2873 davtiff    20   0  10480   3936  3332 R    0,3   0,1   0:01.65 top
     1 root       20   0 168232 13784  8424 S    0,0   0,5   0:04.75 systemd
     2 root       20   0     0     0     0 S    0,0   0,0   0:00.00 kthrea+
     3 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 rcu_gp
     4 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 rcu_pa+
     5 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 slub_f+
     6 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 netns
     7 root       20   0     0     0     0 I    0,0   0,0   0:00.43 kworke+
     8 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 kworke+
    10 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 mm_per+
    11 root       20   0     0     0     0 S    0,0   0,0   0:00.00 rcu_ta+
    12 root       20   0     0     0     0 S    0,0   0,0   0:00.00 rcu_ta+
    15 root       rt   0     0     0     0 S    0,0   0,0   0:00.03 migrat+
    16 root      -51   0     0     0     0 S    0,0   0,0   0:00.00 idle_i+
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda

Activities Terminal sep 26 08:29
davtiff@server01: ~

top - 08:28:55 up 52 min, 1 user, load average: 1,88, 1,37, 1,06
Tasks: 200 total, 3 running, 194 sleeping, 3 stopped, 0 zombie
%Cpu(s): 15,8 us, 63,2 sy, 21,1 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 407,9 free, 759,6 used, 1801,6 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,2 avail Mem
PID to renice [default pid = 2911]

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 2911 davtiff    25   5   4228   1492  1332 R   52,9   0,0   1:25.24 bucle
 2817 davtiff    30  10   4228   1456  1296 R   17,6   0,0  20:06.00 bucle
 1345 davtiff    20   0 3654196 304108 140692 S   11,8  10,0   1:14.09 gnome-+
   937 root       20   0 318352 93556 60464 S    5,9   3,1   0:26.17 Xorg
 1555 davtiff    20   0 312952 12652  7208 S    5,9   0,4   0:06.84 ibus-d+
     1 root       20   0 168232 13784  8424 S    0,0   0,5   0:04.75 systemd
     2 root       20   0     0     0     0 S    0,0   0,0   0:00.00 kthrea+
     3 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 rcu_gp
     4 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 rcu_pa+
     5 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 slub_f+
     6 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 netns
     7 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 kworke+
    10 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 mm_per+
    11 root       20   0     0     0     0 S    0,0   0,0   0:00.00 rcu_ta+
    12 root       20   0     0     0     0 S    0,0   0,0   0:00.00 rcu_ta+
    13 root       20   0     0     0     0 S    0,0   0,0   0:04.61 ksofti+
    14 root       20   0     0     0     0 I    0,0   0,0   0:06.95 rcu_sc+
    15 root       rt   0     0     0     0 S    0,0   0,0   0:00.03 migrat+
    16 root      -51   0     0     0     0 S    0,0   0,0   0:00.00 idle_i+
    18 root       20   0     0     0     0 S    0,0   0,0   0:00.00 cpuhp/0
    19 root       20   0     0     0     0 S    0,0   0,0   0:00.00 kdevtn+
    20 root       0 -20     0     0     0 I    0,0   0,0   0:00.00 inet_f+
```

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

Activities Terminal sep 26 08:29

davtiff@server01: ~

top - 08:28:55 up 52 min, 1 user, load average: 1,88, 1,37, 1,06
Tasks: 200 total, 3 running, 194 sleeping, 3 stopped, 0 zombie
%Cpu(s): 15,8 us, 63,2 sy, 21,1 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 407,9 free, 759,6 used, 1801,6 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,2 avail Mem
Renice PID 2911 to value 19

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2911	davtiff	25	5	4228	1492	1332	R	52,9	0,0	1:25.24	bucle
2817	davtiff	30	10	4228	1456	1296	R	17,6	0,0	20:06.00	bucle
1345	davtiff	20	0	3654196	304108	140692	S	11,8	10,0	1:14.09	gnome-+
937	root	20	0	318352	93556	60464	S	5,9	3,1	0:26.17	Xorg
1555	davtiff	20	0	312952	12652	7208	S	5,9	0,4	0:06.84	ibus-d+
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.75	systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_pa+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	slub_f+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	netns
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworke+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	mm_per+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
13	root	20	0	0	0	0	S	0,0	0,0	0:04.61	ksofti+
14	root	20	0	0	0	0	I	0,0	0,0	0:06.95	rcu_sc+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	migrat+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	idle_i+
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kdevtm+
20	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	inet_f+

CTRL DERECHA

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

Activities Terminal sep 26 08:29

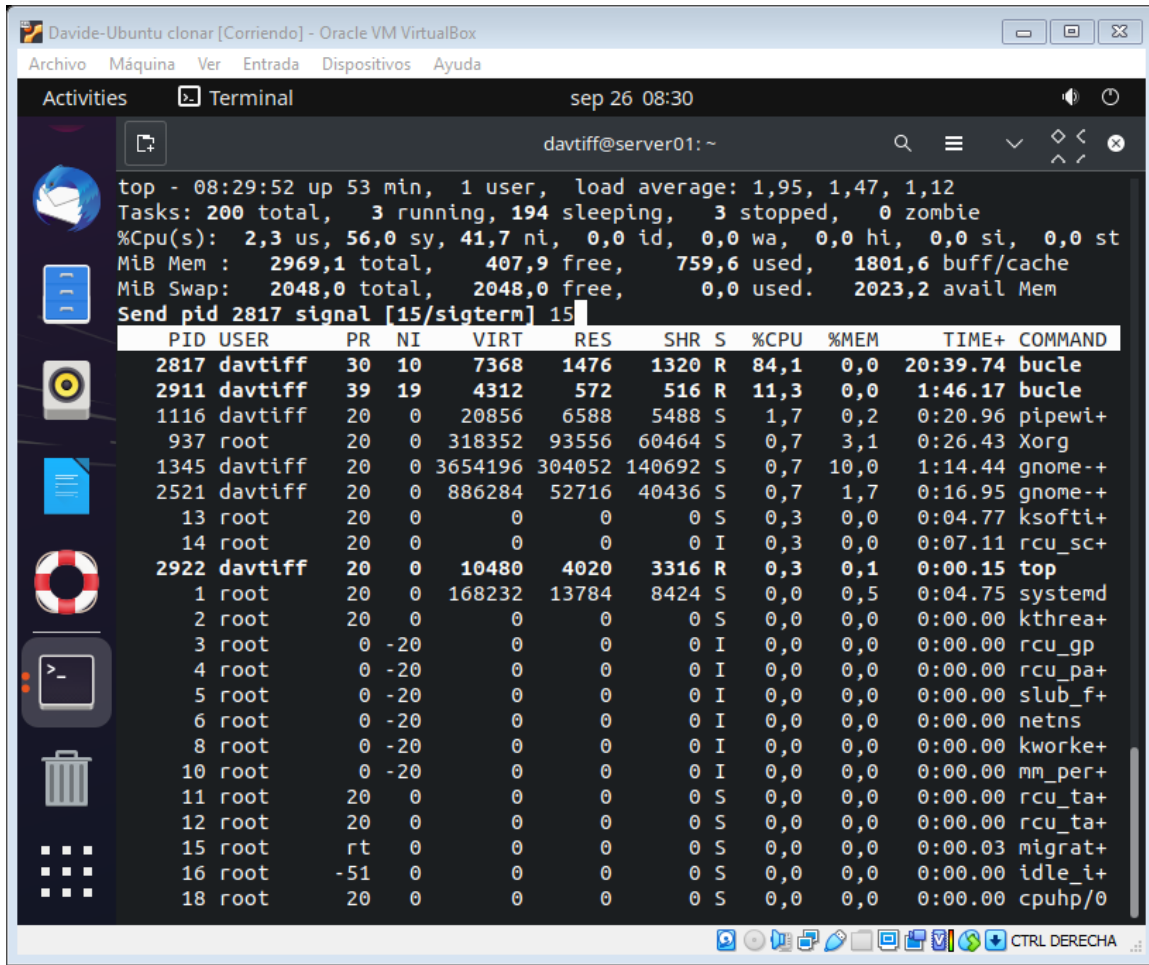
davtiff@server01: ~

top - 08:29:52 up 53 min, 1 user, load average: 1,95, 1,47, 1,12
Tasks: 200 total, 3 running, 194 sleeping, 3 stopped, 0 zombie
%Cpu(s): 2,3 us, 56,0 sy, 41,7 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 407,9 free, 759,6 used, 1801,6 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,2 avail Mem
PID to signal/kill [default pid = 2817]

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2817	davtiff	30	10	7368	1476	1320	R	84,1	0,0	20:39.74	bucle
2911	davtiff	39	19	4312	572	516	R	11,3	0,0	1:46.17	bucle
1116	davtiff	20	0	20856	6588	5488	S	1,7	0,2	0:20.96	pipewi+
937	root	20	0	318352	93556	60464	S	0,7	3,1	0:26.43	Xorg
1345	davtiff	20	0	3654196	304052	140692	S	0,7	10,0	1:14.44	gnome-+
2521	davtiff	20	0	886284	52716	40436	S	0,7	1,7	0:16.95	gnome-+
13	root	20	0	0	0	0	S	0,3	0,0	0:04.77	ksofti+
14	root	20	0	0	0	0	I	0,3	0,0	0:07.11	rcu_sc+
2922	davtiff	20	0	10480	4020	3316	R	0,3	0,1	0:00.15	top
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.75	systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_pa+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	slub_f+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	netns
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworke+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	mm_per+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	migrat+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	idle_i+
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00	cpuhp/0

CTRL DERECHA

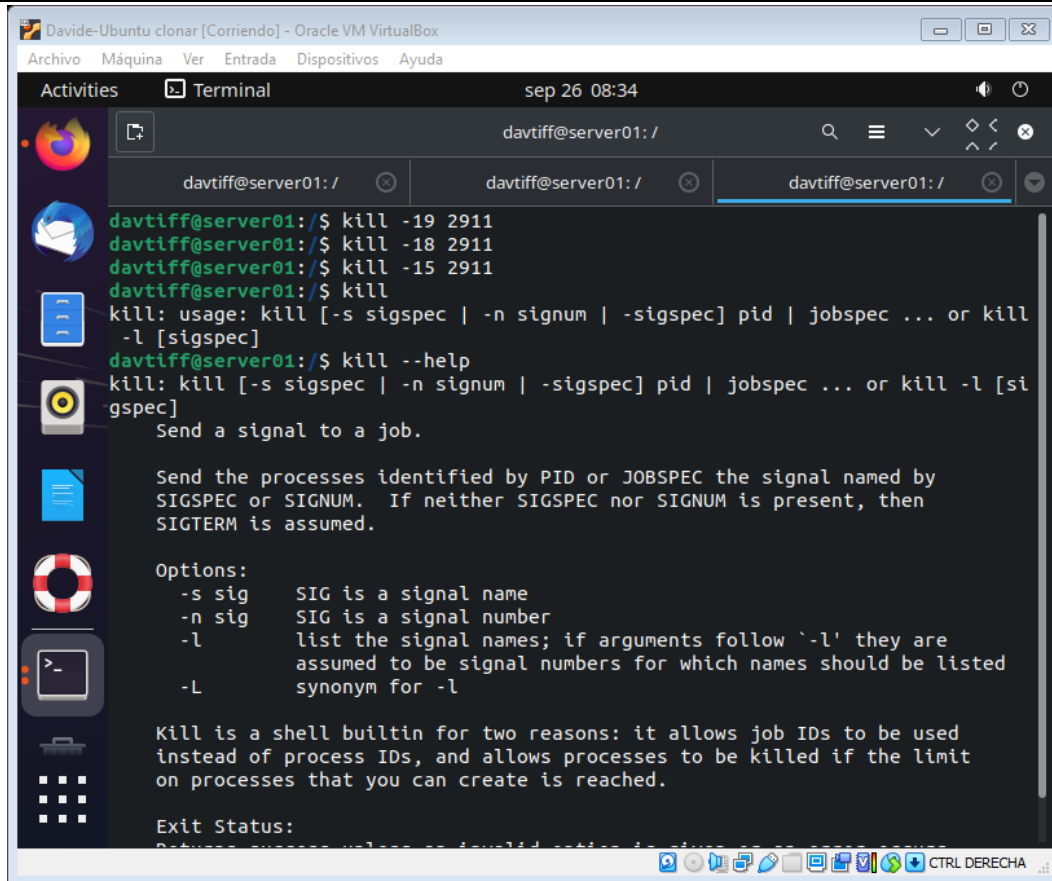
Nombre: Tiffany Andrea Jordán Uquillas



```
top - 08:29:52 up 53 min, 1 user, load average: 1,95, 1,47, 1,12
Tasks: 200 total, 3 running, 194 sleeping, 3 stopped, 0 zombie
%Cpu(s): 2,3 us, 56,0 sy, 41,7 ni, 0,0 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 407,9 free, 759,6 used, 1801,6 buff/cache
MiB Swap: 2048,0 total, 2048,0 free, 0,0 used. 2023,2 avail Mem

Send pid 2817 signal [15/sigterm] 15
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2817	davtiff	30	10	7368	1476	1320	R	84,1	0,0	20:39.74	bucle
2911	davtiff	39	19	4312	572	516	R	11,3	0,0	1:46.17	bucle
1116	davtiff	20	0	20856	6588	5488	S	1,7	0,2	0:20.96	pipewi+
937	root	20	0	318352	93556	60464	S	0,7	3,1	0:26.43	Xorg
1345	davtiff	20	0	3654196	304052	140692	S	0,7	10,0	1:14.44	gnome-+
2521	davtiff	20	0	886284	52716	40436	S	0,7	1,7	0:16.95	gnome-+
13	root	20	0	0	0	0	S	0,3	0,0	0:04.77	ksofti+
14	root	20	0	0	0	0	I	0,3	0,0	0:07.11	rcu_sc+
2922	davtiff	20	0	10480	4020	3316	R	0,3	0,1	0:00.15	top
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.75	systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_pa+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	slub_f+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	netns
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworke+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	mm_per+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
15	root	rt	0	0	0	0	S	0,0	0,0	0:00.03	migrat+
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	idle_i+
18	root	20	0	0	0	0	S	0,0	0,0	0:00.00	cpuhp/0



```
davtiff@server01:/$ kill -19 2911
davtiff@server01:/$ kill -18 2911
davtiff@server01:/$ kill -15 2911
davtiff@server01:/$ kill
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill
-l [sigspec]
davtiff@server01:/$ kill --help
kill: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [si
gspec]
Send a signal to a job.

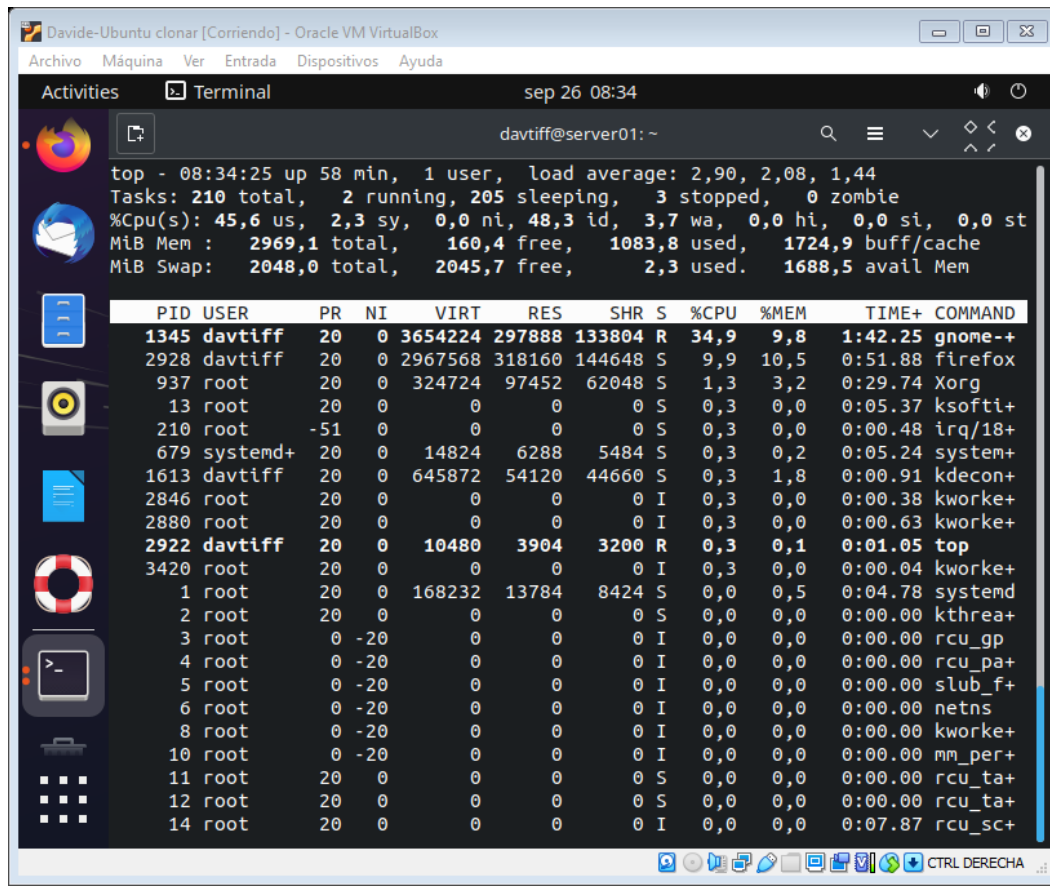
Send the processes identified by PID or JOBSPEC the signal named by
SIGSPEC or SIGNUM. If neither SIGSPEC nor SIGNUM is present, then
SIGTERM is assumed.

Options:
-s sig    SIG is a signal name
-n sig    SIG is a signal number
-l        list the signal names; if arguments follow '-l' they are
          assumed to be signal numbers for which names should be listed
-L        synonym for -l

Kill is a shell builtin for two reasons: it allows job IDs to be used
instead of process IDs, and allows processes to be killed if the limit
on processes that you can create is reached.

Exit Status:
Returns success unless an invalid option is given or an error occurs.
```

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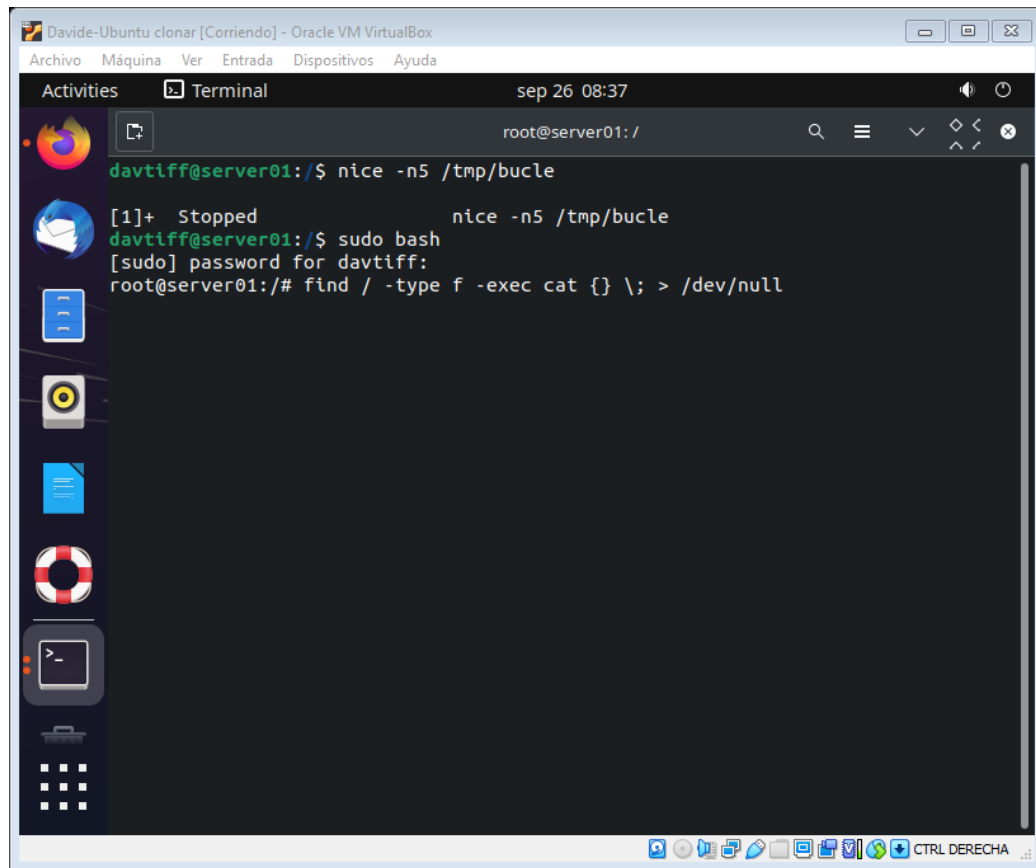
The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal displays the output of the 'top' command, showing system statistics and a list of running processes. The system statistics indicate a load average of 2.90, 2.08, and 1.44. The process list shows various system and user processes, with 'gnome-terminal' and 'firefox' being the most prominent user processes.

```
top - 08:34:25 up 58 min, 1 user, load average: 2,90, 2,08, 1,44
Tasks: 210 total, 2 running, 205 sleeping, 3 stopped, 0 zombie
%Cpu(s): 45,6 us, 2,3 sy, 0,0 ni, 48,3 id, 3,7 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2969,1 total, 160,4 free, 1083,8 used, 1724,9 buff/cache
MiB Swap: 2048,0 total, 2045,7 free, 2,3 used. 1688,5 avail Mem
```

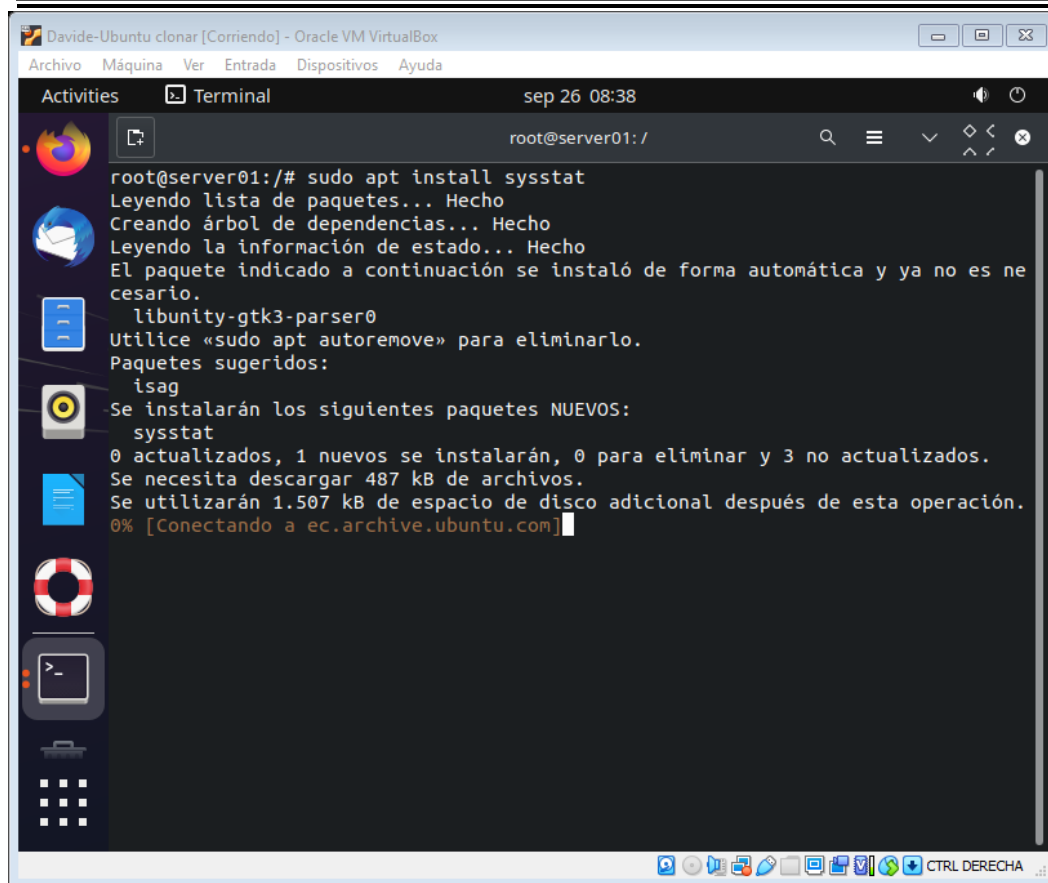
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1345	davtiff	20	0	3654224	297888	133804	R	34,9	9,8	1:42.25	gnome-+
2928	davtiff	20	0	2967568	318160	144648	S	9,9	10,5	0:51.88	firefox
937	root	20	0	324724	97452	62048	S	1,3	3,2	0:29.74	Xorg
13	root	20	0	0	0	0	S	0,3	0,0	0:05.37	ksofti+
210	root	-51	0	0	0	0	S	0,3	0,0	0:00.48	irq/18+
679	systemd+	20	0	14824	6288	5484	S	0,3	0,2	0:05.24	systemd+
1613	davtiff	20	0	645872	54120	44660	S	0,3	1,8	0:00.91	kdecon+
2846	root	20	0	0	0	0	I	0,3	0,0	0:00.38	kworke+
2880	root	20	0	0	0	0	I	0,3	0,0	0:00.63	kworke+
2922	davtiff	20	0	10480	3904	3200	R	0,3	0,1	0:01.05	top
3420	root	20	0	0	0	0	I	0,3	0,0	0:00.04	kworke+
1	root	20	0	168232	13784	8424	S	0,0	0,5	0:04.78	systemd
2	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	rcu_pa+
5	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	slub_f+
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	netns
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworke+
10	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	mm_per+
11	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
12	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_ta+
14	root	20	0	0	0	0	I	0,0	0,0	0:07.87	rcu_sc+

Quinta pregunta

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```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:37
root@server01: /
davtiff@server01:/$ nice -n5 /tmp/bucle
[1]+  Stopped                  nice -n5 /tmp/bucle
davtiff@server01:/$ sudo bash
[sudo] password for davtiff:
root@server01:/# find / -type f -exec cat {} \; > /dev/null
```



```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Activities Terminal sep 26 08:38
root@server01: /
root@server01:/# sudo apt install sysstat
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
El paquete indicado a continuación se instaló de forma automática y ya no es necesario.
  libunity-gtk3-parser0
Utilice «sudo apt autoremove» para eliminarlo.
Paquetes sugeridos:
  isag
Se instalarán los siguientes paquetes NUEVOS:
  sysstat
0 actualizados, 1 nuevos se instalarán, 0 para eliminar y 3 no actualizados.
Se necesita descargar 487 kB de archivos.
Se utilizarán 1.507 kB de espacio de disco adicional después de esta operación.
0% [Conectando a ec.archive.ubuntu.com]
```


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```

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Activities  Terminal  sep 26 08:39
root@server01: /

Preparando para desempaquetar ../sysstat_12.5.2-2ubuntu0.2_amd64.deb ...
Desempaquetando sysstat (12.5.2-2ubuntu0.2) ...
Configurando sysstat (12.5.2-2ubuntu0.2) ...

Creating config file /etc/default/sysstat with new version
update-alternatives: utilizando /usr/bin/sar.sysstat para proveer /usr/bin/sar
(sar) en modo automático
Created symlink /etc/systemd/system/sysstat.service.wants/sysstat-collect.timer
→ /lib/systemd/system/sysstat-collect.timer.
Created symlink /etc/systemd/system/sysstat.service.wants/sysstat-summary.timer
→ /lib/systemd/system/sysstat-summary.timer.
Created symlink /etc/systemd/system/multi-user.target.wants/sysstat.service → /
lib/systemd/system/sysstat.service.
Procesando disparadores para man-db (2.10.2-1) ...
Procesando disparadores para doc-base (0.11.1) ...
Processing 1 added doc-base file...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@server01: /#
```

```

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Activities  Terminal  sep 26 08:40
root@server01: /

root@server01: /# mpstat
Linux 5.15.0-83-generic (server01) 26/09/23 _x86_64_ (1 CPU)
08:39:39 CPU %usr %nice %sys %iowait %irq %soft %steal %gues
t %gnice %idle
08:39:39 all 17,71 12,91 28,41 0,19 0,00 0,05 0,00 0,0
0 0,00 40,73
root@server01: /# vmstat
procs -----memory----- --swap-- -----io----- -system-- -----cpu----
-
r b swpd free buff cache si so bi bo in cs us sy id wa s
t
1 0 6444 142356 45228 1756640 0 2 511 232 380 1847 31 28 41 0
0
root@server01: /# mpstat
Linux 5.15.0-83-generic (server01) 26/09/23 _x86_64_ (1 CPU)
08:39:49 CPU %usr %nice %sys %iowait %irq %soft %steal %gues
t %gnice %idle
08:39:49 all 17,78 12,87 28,34 0,19 0,00 0,05 0,00 0,0
0 0,00 40,78
root@server01: /# vmstat
procs -----memory----- --swap-- -----io----- -system-- -----cpu----
-
r b swpd free buff cache si so bi bo in cs us sy id wa s
t
0 0 6444 142356 45236 1756684 0 2 509 231 381 1843 31 28 41 0
0
root@server01: /#
```