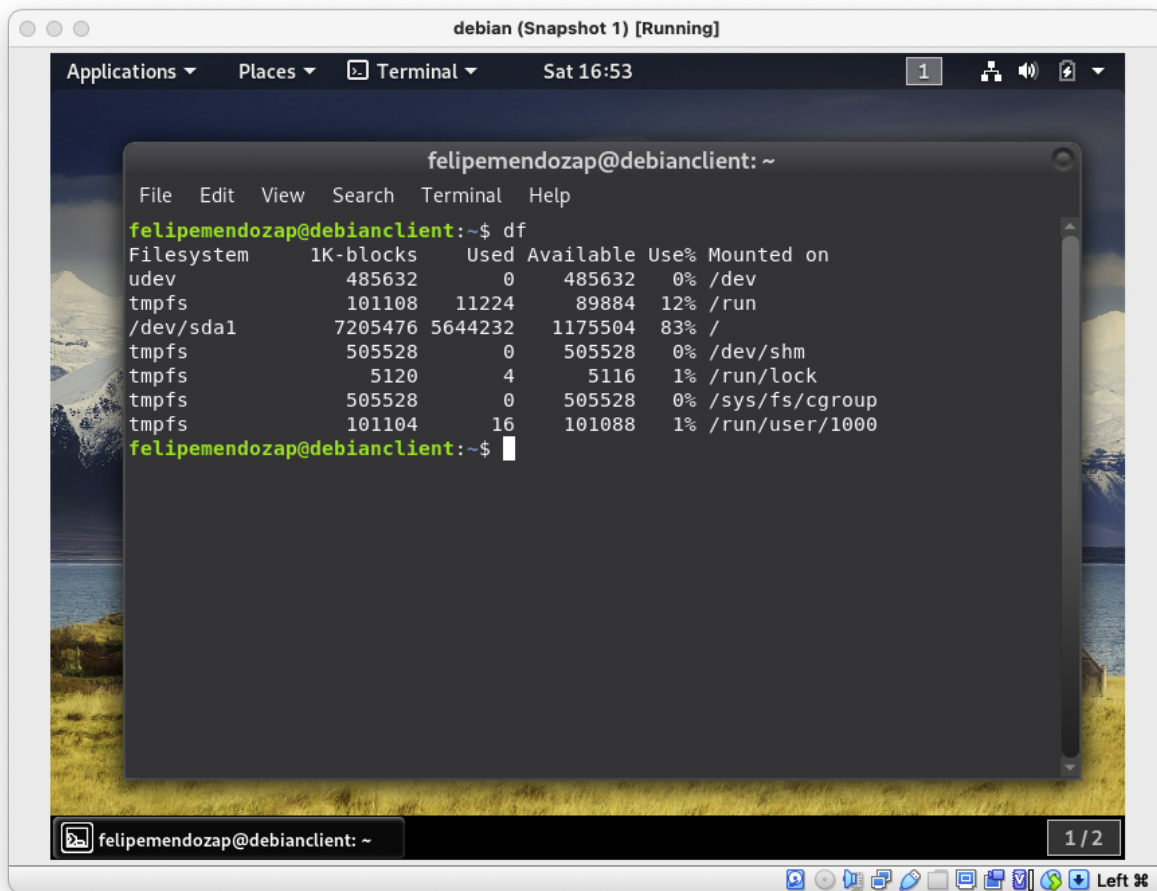


- Escribir **en la terminal** el comando **df**, tomar **print de pantalla**.

**Muestra la información del dispositivo, los bloques totales, el espacio del disco disponible**



The screenshot shows a terminal window titled "debian (Snapshot 1) [Running]" with a menu bar (Applications, Places, Terminal) and a status bar (Sat 16:53, 1). The terminal prompt is "felipemendozap@debianclient: ~". The command "df" has been executed, displaying the following table:

| Filesystem | 1K-blocks | Used    | Available | Use% | Mounted on     |
|------------|-----------|---------|-----------|------|----------------|
| udev       | 485632    | 0       | 485632    | 0%   | /dev           |
| tmpfs      | 101108    | 11224   | 89884     | 12%  | /run           |
| /dev/sda1  | 7205476   | 5644232 | 1175504   | 83%  | /              |
| tmpfs      | 505528    | 0       | 505528    | 0%   | /dev/shm       |
| tmpfs      | 5120      | 4       | 5116      | 1%   | /run/lock      |
| tmpfs      | 505528    | 0       | 505528    | 0%   | /sys/fs/cgroup |
| tmpfs      | 101104    | 16      | 101088    | 1%   | /run/user/1000 |

The terminal prompt is now "felipemendozap@debianclient:~\$". The window has a title bar with standard Linux window controls and a taskbar at the bottom with various application icons and a "Left" button.

- Escribir **en la terminal** el comando **top**, tomar **print de pantalla**.

**Nos muestra los proceso en ejecución en tiempo real**

```

felipemendozap@debianclient: ~
File Edit View Search Terminal Help
felipemendozap@debianclient:~$ top

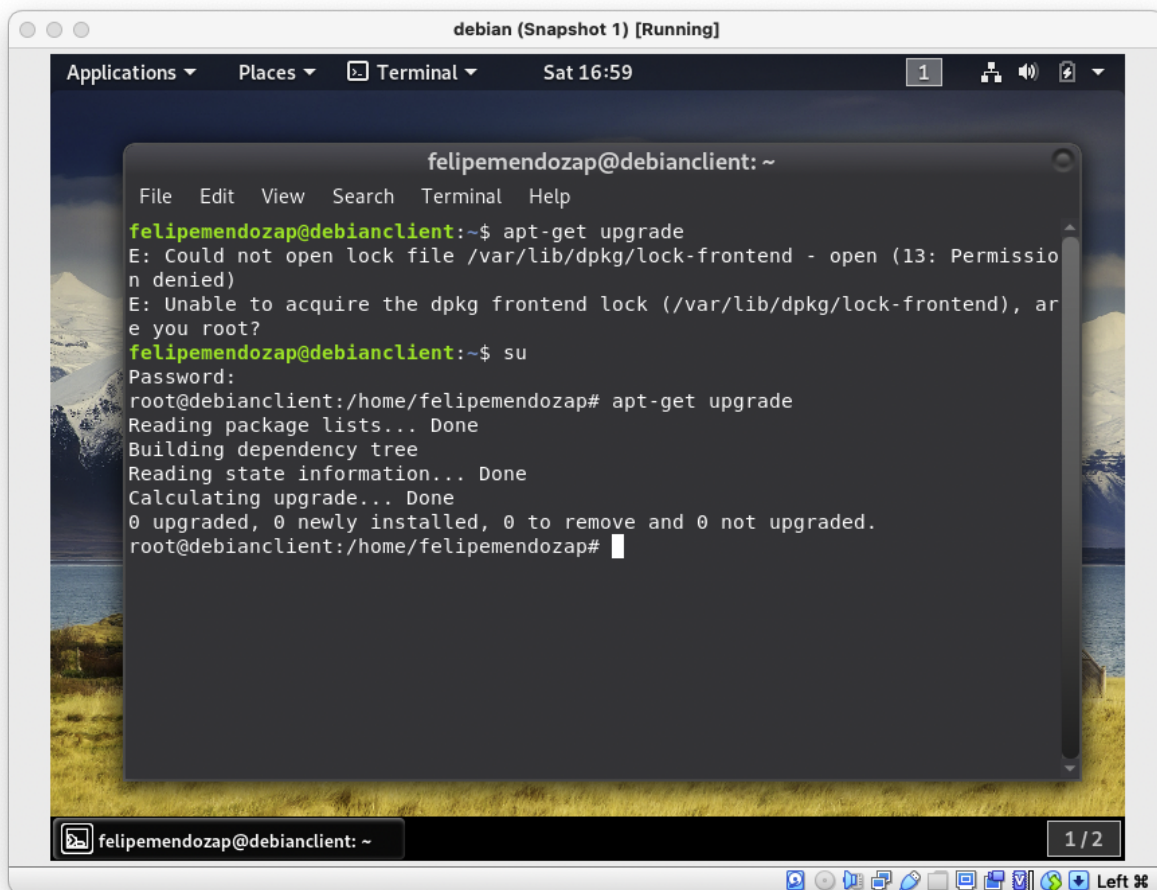
top - 16:56:22 up 7 min, 1 user, load average: 0.00, 0.06, 0.04
Tasks: 130 total, 1 running, 129 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.0 us, 0.3 sy, 0.0 ni, 98.6 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0
MiB Mem : 987.4 total, 76.9 free, 553.9 used, 356.6 buff/cache
MiB Swap: 975.0 total, 963.7 free, 11.3 used. 277.4 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR S %CPU  %MEM    TIME+  COMMAND
  676 felipem+  20   0 2539636 212244 87472 S   1.3   21.0   0:08.69 gnome-+
    1 root      20   0 169552   9492  7796 S   0.0    0.9   0:01.00 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+
    6 root      0 -20     0     0     0 I   0.0    0.0   0:00.00 kworke+
    8 root      0 -20     0     0     0 I   0.0    0.0   0:00.00 mm_per+
    9 root      20   0     0     0     0 S   0.0    0.0   0:00.03 ksofti+
   10 root      20   0     0     0     0 I   0.0    0.0   0:00.10 rcu_sc+
   11 root      20   0     0     0     0 I   0.0    0.0   0:00.00 rcu_bh
   12 root      rt    0     0     0     0 S   0.0    0.0   0:00.00 migrat+
   13 root      20   0     0     0     0 I   0.0    0.0   0:00.18 kworke+
   14 root      20   0     0     0     0 S   0.0    0.0   0:00.00 cpuhp/0
   15 root      20   0     0     0     0 S   0.0    0.0   0:00.00 kdevtm+

```

- Escribir **en la terminal** el comando **apt-get upgrade**.

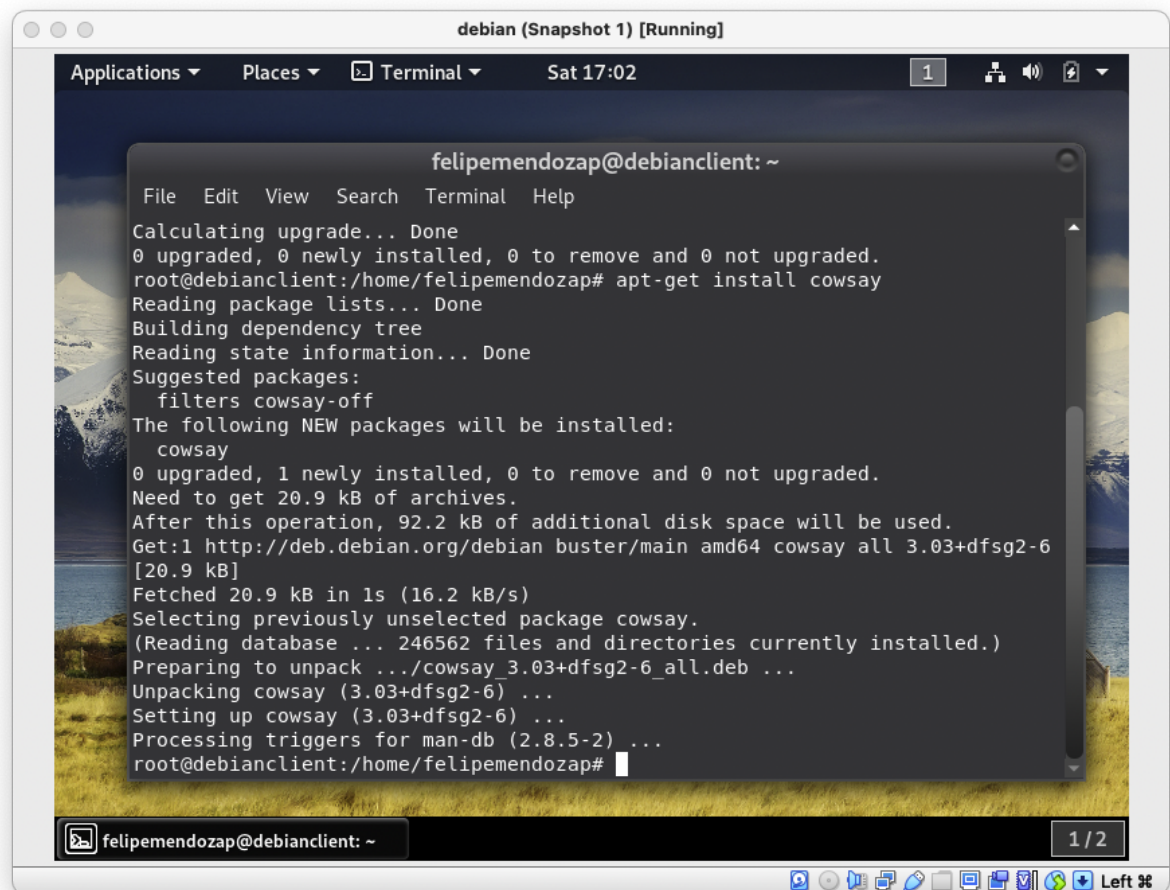
**Sirve para descargar los paquetes de información de todas las fuentes configuradas**



```
debian (Snapshot 1) [Running]
Applications ▾ Places ▾ Terminal ▾ Sat 16:59 1
felipemendozap@debianclient: ~
File Edit View Search Terminal Help
felipemendozap@debianclient:~$ apt-get upgrade
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
felipemendozap@debianclient:~$ su
Password:
root@debianclient:/home/felipemendozap# apt-get upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@debianclient:/home/felipemendozap#
```

- Escribir **en la terminal** el comando **apt-get install cowsay**.

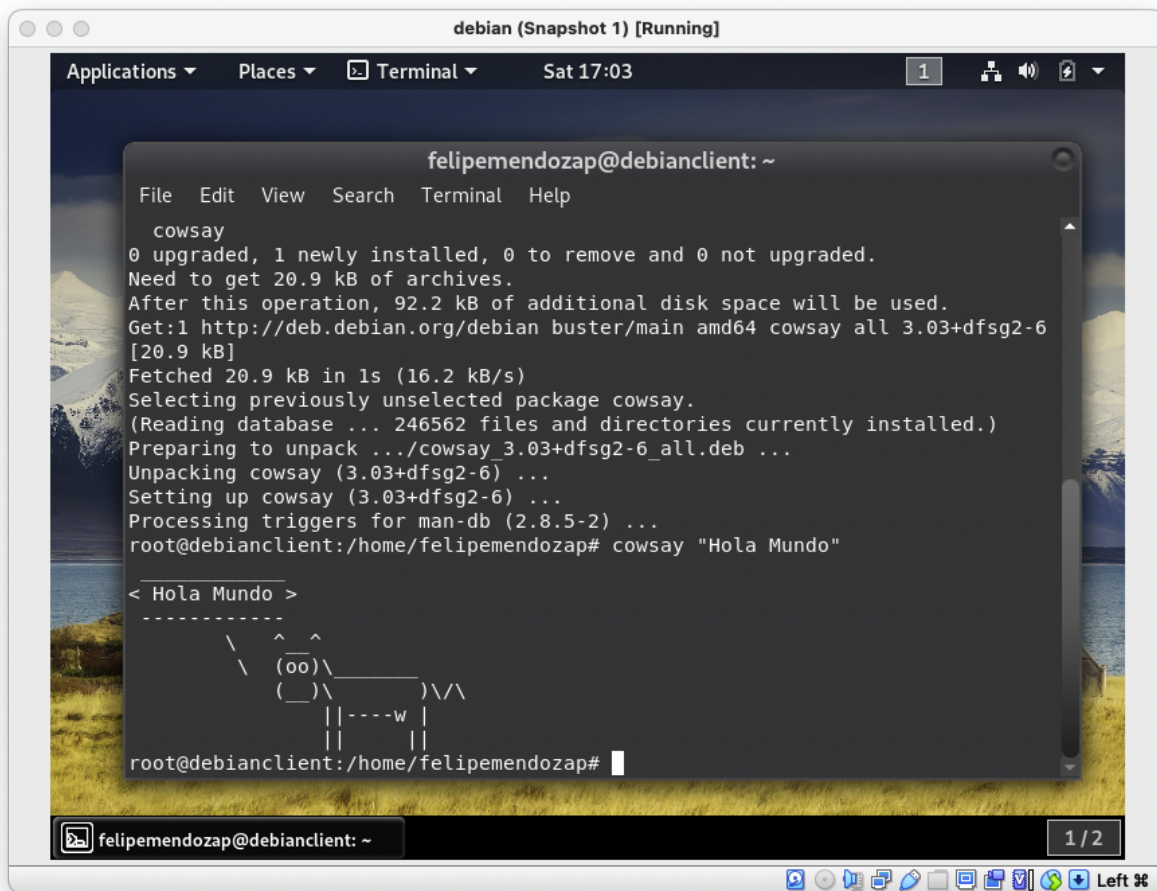
Es un programa que genera un arte ASCII fundamentado en la impresión de caracteres de código.



The screenshot shows a terminal window titled "debian (Snapshot 1) [Running]" with a menu bar (Applications, Places, Terminal, Sat 17:02) and a toolbar. The terminal content shows the user "felipemendozap@debianclient: ~" running the command "apt-get install cowsay". The output displays the package's dependencies, disk space requirements, and the successful installation of cowsay version 3.03+dfsg2-6. The terminal window is overlaid on a desktop background of a mountain landscape. The bottom status bar shows the user's name and a "1 / 2" indicator.

```
felipemendozap@debianclient: ~
File Edit View Search Terminal Help
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@debianclient:/home/felipemendozap# apt-get install cowsay
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  filters cowsay-off
The following NEW packages will be installed:
  cowsay
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 20.9 kB of archives.
After this operation, 92.2 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian buster/main amd64 cowsay all 3.03+dfsg2-6
[20.9 kB]
Fetched 20.9 kB in 1s (16.2 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 246562 files and directories currently installed.)
Preparing to unpack .../cowsay_3.03+dfsg2-6_all.deb ...
Unpacking cowsay (3.03+dfsg2-6) ...
Setting up cowsay (3.03+dfsg2-6) ...
Processing triggers for man-db (2.8.5-2) ...
root@debianclient:/home/felipemendozap#
```

- Escribir en la terminal el comando **cowsay** “Hola mundo”.



The screenshot shows a terminal window titled "debian (Snapshot 1) [Running]" with a menu bar (Applications, Places, Terminal, Sat 17:03) and a toolbar. The terminal content is as follows:

```
felipemendozap@debianclient: ~  
File Edit View Search Terminal Help  
cowsay  
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 20.9 kB of archives.  
After this operation, 92.2 kB of additional disk space will be used.  
Get:1 http://deb.debian.org/debian buster/main amd64 cowsay all 3.03+dfsg2-6  
[20.9 kB]  
Fetched 20.9 kB in 1s (16.2 kB/s)  
Selecting previously unselected package cowsay.  
(Reading database ... 246562 files and directories currently installed.)  
Preparing to unpack .../cowsay_3.03+dfsg2-6_all.deb ...  
Unpacking cowsay (3.03+dfsg2-6) ...  
Setting up cowsay (3.03+dfsg2-6) ...  
Processing triggers for man-db (2.8.5-2) ...  
root@debianclient:/home/felipemendozap# cowsay "Hola Mundo"  
  
< Hola Mundo >  
-----  
      \      ^__^  
       (oo)\_____  
        (__)\       )\/\  
           ||----w |  
           ||     ||  
root@debianclient:/home/felipemendozap#
```

The terminal window also shows a status bar at the bottom with the prompt "felipemendozap@debianclient: ~" and a page indicator "1/2".