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FACULTAD MULTIDISCIPLINARIA
DEPARTAMENTO DE INGENIERÍA Y ARQUITECTURA
INGENIERÍA DE SISTEMAS INFORMÁTICOS.
MANEJO DE SOFTWARE PARA MICROCOMPUTADORAS.



“PARCIAL GNU/LINUX”

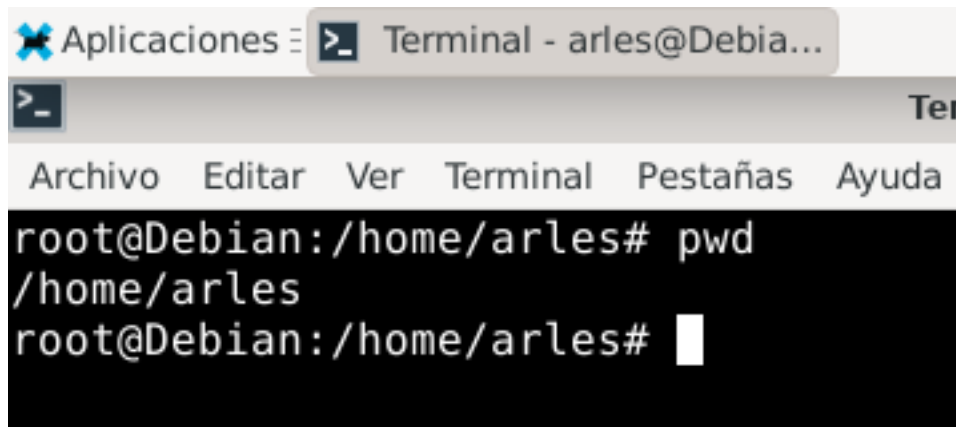
PRESENTADO POR:
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CATEDRÁTICO:
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CAMPUS VIRTUAL FMO-UES, 28 DE SEPTIEMBRE DEL 2022.

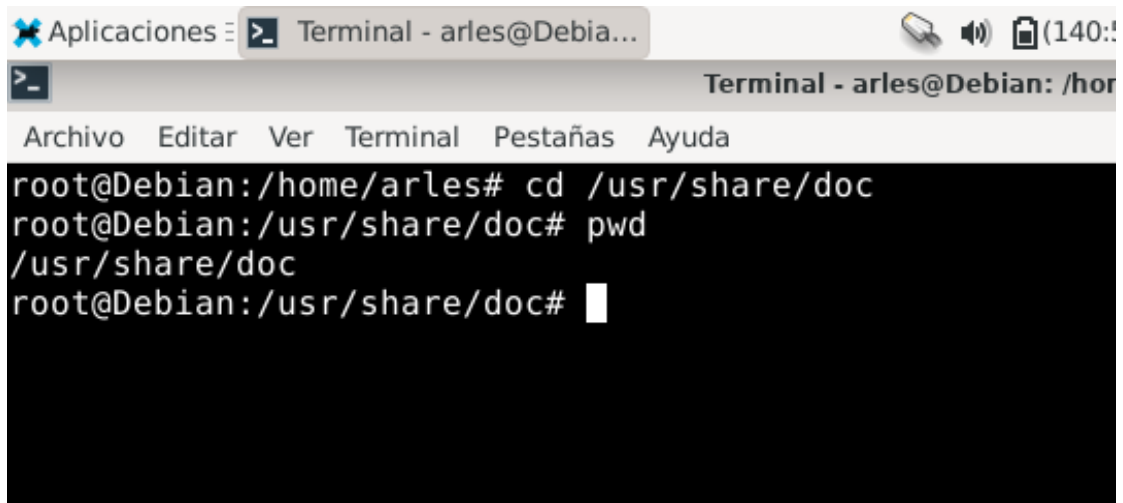
1. Indique con un comando en qué directorio se encuentra



A terminal window titled "Terminal - arles@Debia..." is shown. The prompt is "root@Debian:/home/arles#". The user enters the command "pwd", and the output is "/home/arles". The prompt then returns to "root@Debian:/home/arles#".

```
root@Debian:/home/arles# pwd
/home/arles
root@Debian:/home/arles#
```

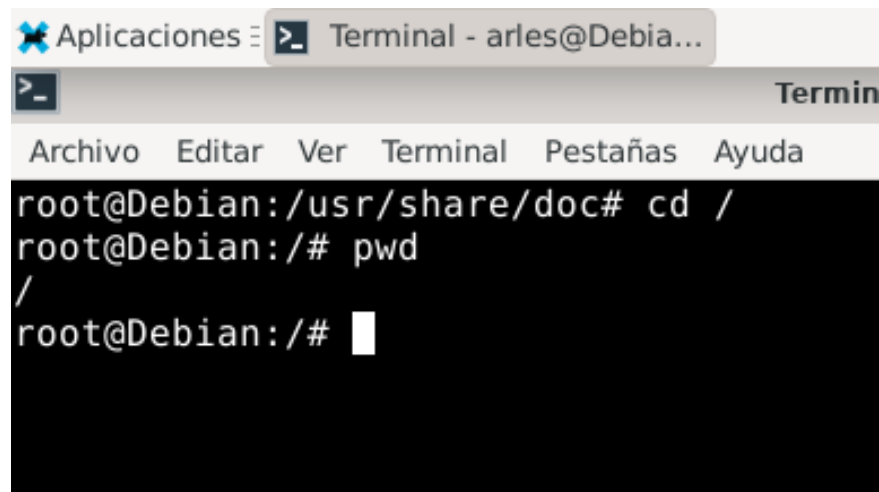
2. Vaya al directorio /usr/share/doc, después verifique la ruta de su directorio actual.



A terminal window titled "Terminal - arles@Debian: /hor" is shown. The prompt is "root@Debian:/home/arles#". The user enters the command "cd /usr/share/doc", and the prompt changes to "root@Debian:/usr/share/doc#". The user then enters "pwd", and the output is "/usr/share/doc". The prompt returns to "root@Debian:/usr/share/doc#".

```
root@Debian:/home/arles# cd /usr/share/doc
root@Debian:/usr/share/doc# pwd
/usr/share/doc
root@Debian:/usr/share/doc#
```

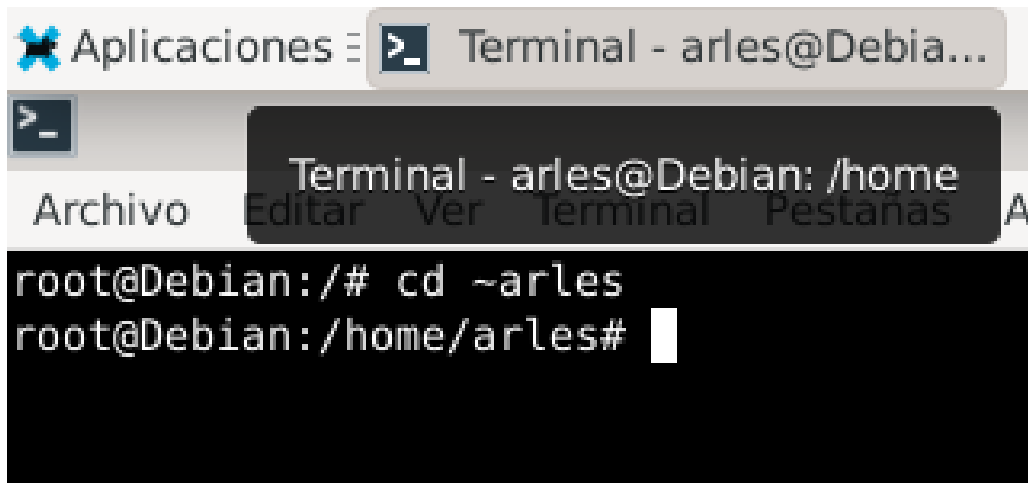
3. Remonte al directorio padre y verifíquelo.



A terminal window titled "Terminal - arles@Debia..." is shown. The prompt is "root@Debian:/usr/share/doc#". The user enters the command "cd /", and the prompt changes to "root@Debian:/#". The user then enters "pwd", and the output is "/". The prompt returns to "root@Debian:/#".

```
root@Debian:/usr/share/doc# cd /
root@Debian:/# pwd
/
root@Debian:/#
```

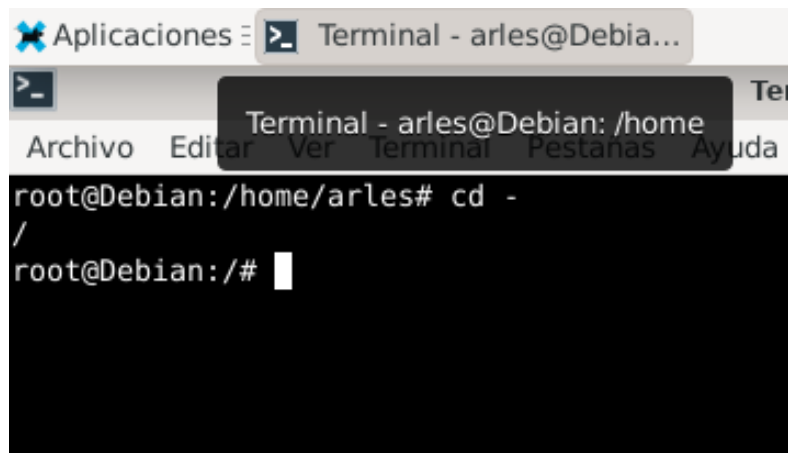
4. Vaya a su directorio personal sin teclear su ruta.



A terminal window titled "Terminal - arles@Debian..." is shown. The prompt is "root@Debian:/#". The user enters "cd ~arles", and the prompt changes to "root@Debian:/home/arles#".

```
root@Debian:/# cd ~arles
root@Debian:/home/arles#
```

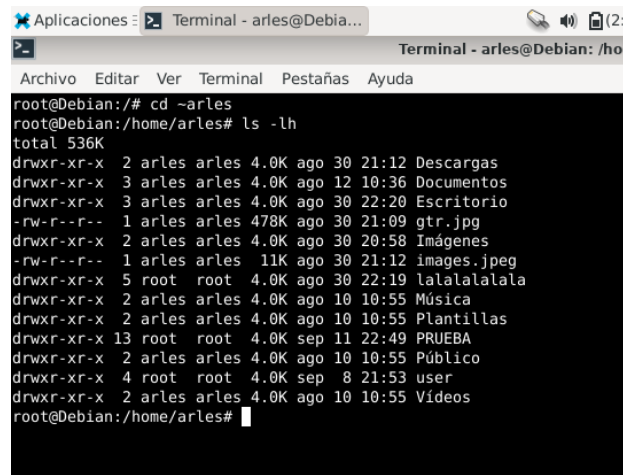
5. Vuelva al directorio precedente sin teclear su ruta.



A terminal window titled "Terminal - arles@Debian:/home" is shown. The prompt is "root@Debian:/home/arles#". The user enters "cd -", and the prompt changes to "root@Debian:/#".

```
root@Debian:/home/arles# cd -
/
root@Debian:/#
```

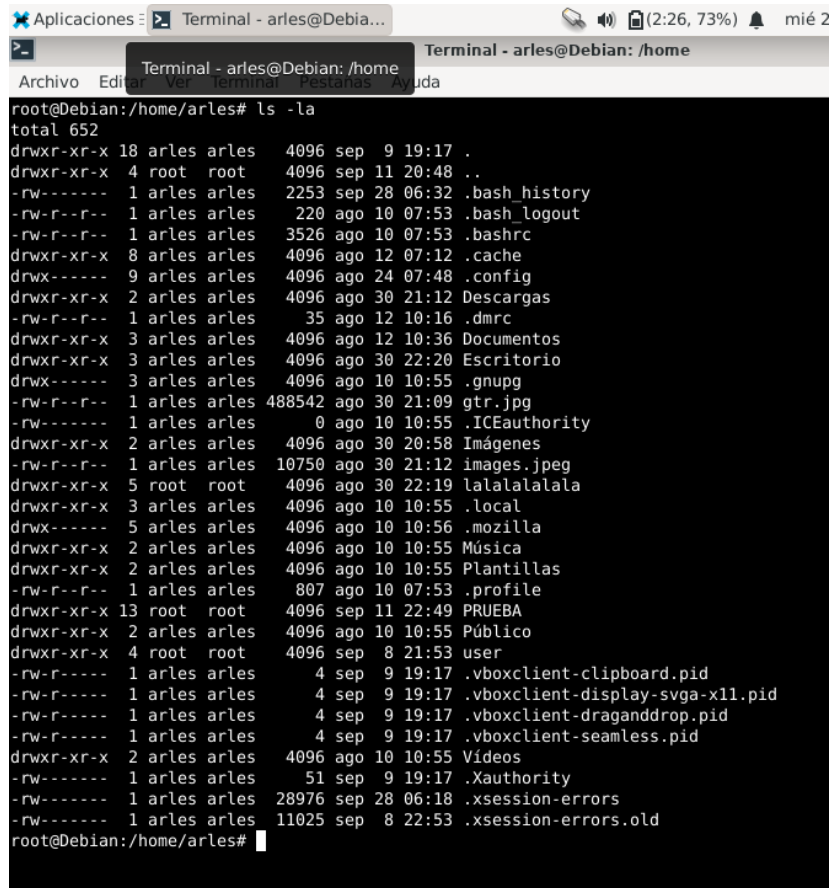
6. Vuelva a su directorio personal y liste los archivos presentes.



A terminal window titled "Terminal - arles@Debian:/home" is shown. The prompt is "root@Debian:/#". The user enters "cd ~arles", and the prompt changes to "root@Debian:/home/arles#". The user then enters "ls -lh", and the output is displayed.

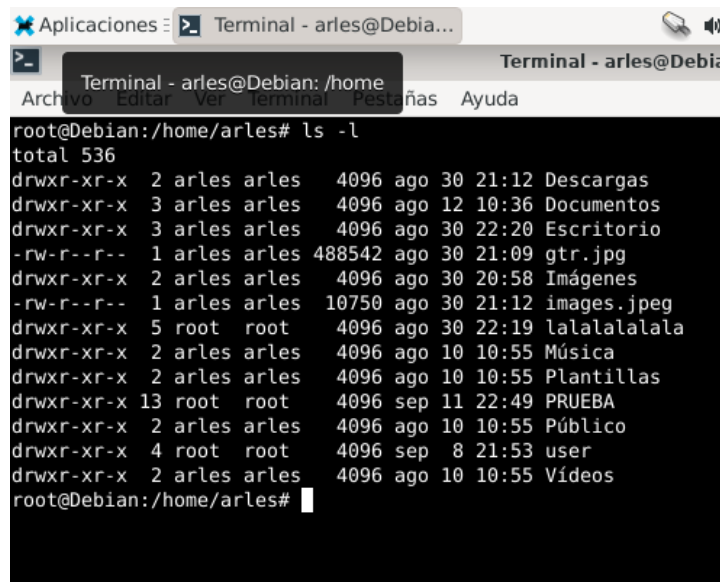
```
root@Debian:/# cd ~arles
root@Debian:/home/arles# ls -lh
total 536K
drwxr-xr-x  2 arles arles 4.0K ago 30 21:12 Descargas
drwxr-xr-x  3 arles arles 4.0K ago 12 10:36 Documentos
drwxr-xr-x  3 arles arles 4.0K ago 30 22:20 Escritorio
-rw-r--r--  1 arles arles 478K ago 30 21:09 gtr.jpg
drwxr-xr-x  2 arles arles 4.0K ago 30 20:58 Imágenes
-rw-r--r--  1 arles arles 11K ago 30 21:12 images.jpeg
drwxr-xr-x  5 root root 4.0K ago 30 22:19 lalalalalala
drwxr-xr-x  2 arles arles 4.0K ago 10 10:55 Música
drwxr-xr-x  2 arles arles 4.0K ago 10 10:55 Plantillas
drwxr-xr-x 13 root root 4.0K sep 11 22:49 PRUEBA
drwxr-xr-x  2 arles arles 4.0K ago 10 10:55 Público
drwxr-xr-x  4 root root 4.0K sep  8 21:53 user
drwxr-xr-x  2 arles arles 4.0K ago 10 10:55 Vídeos
root@Debian:/home/arles#
```

7. Liste ahora todos los archivos (incluso los ocultos).



```
root@Debian:/home/arles# ls -la
total 652
drwxr-xr-x 18 arles arles 4096 sep  9 19:17 .
drwxr-xr-x  4 root root  4096 sep 11 20:48 ..
-rw-r----- 1 arles arles 2253 sep 28 06:32 .bash_history
-rw-r--r--  1 arles arles  220 ago 10 07:53 .bash_logout
-rw-r--r--  1 arles arles 3526 ago 10 07:53 .bashrc
drwxr-xr-x  8 arles arles 4096 ago 12 07:12 .cache
drwx----- 9 arles arles 4096 ago 24 07:48 .config
drwxr-xr-x  2 arles arles 4096 ago 30 21:12 Descargas
-rw-r--r--  1 arles arles   35 ago 12 10:16 .dmrc
drwxr-xr-x  3 arles arles 4096 ago 12 10:36 Documentos
drwxr-xr-x  3 arles arles 4096 ago 30 22:20 Escritorio
drwx----- 3 arles arles 4096 ago 10 10:55 .gnupg
-rw-r--r--  1 arles arles 488542 ago 30 21:09 gtr.jpg
-rw-r----- 1 arles arles    0 ago 10 10:55 .ICEauthority
drwxr-xr-x  2 arles arles 4096 ago 30 20:58 Imágenes
-rw-r--r--  1 arles arles 10750 ago 30 21:12 images.jpeg
drwxr-xr-x  5 root root  4096 ago 30 22:19 lalalalalala
drwxr-xr-x  3 arles arles 4096 ago 10 10:55 .local
drwx----- 5 arles arles 4096 ago 10 10:56 .mozilla
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Música
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Plantillas
-rw-r--r--  1 arles arles  807 ago 10 07:53 .profile
drwxr-xr-x 13 root root  4096 sep 11 22:49 PRUEBA
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Público
drwxr-xr-x  4 root root  4096 sep  8 21:53 user
-rw-r----- 1 arles arles    4 sep  9 19:17 .vboxclient-clipboard.pid
-rw-r----- 1 arles arles    4 sep  9 19:17 .vboxclient-display-svga-x11.pid
-rw-r----- 1 arles arles    4 sep  9 19:17 .vboxclient-draganddrop.pid
-rw-r----- 1 arles arles    4 sep  9 19:17 .vboxclient-seamless.pid
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Vídeos
-rw-r----- 1 arles arles   51 sep  9 19:17 .Xauthority
-rw-r----- 1 arles arles 28976 sep 28 06:18 .xsession-errors
-rw-r----- 1 arles arles 11025 sep  8 22:53 .xsession-errors.old
root@Debian:/home/arles#
```

8. Visualice de forma detallada el contenido del directorio /usr sin cambiar de directorio de trabajo.



```
root@Debian:/home/arles# ls -l
total 536
drwxr-xr-x  2 arles arles 4096 ago 30 21:12 Descargas
drwxr-xr-x  3 arles arles 4096 ago 12 10:36 Documentos
drwxr-xr-x  3 arles arles 4096 ago 30 22:20 Escritorio
-rw-r--r--  1 arles arles 488542 ago 30 21:09 gtr.jpg
drwxr-xr-x  2 arles arles 4096 ago 30 20:58 Imágenes
-rw-r--r--  1 arles arles 10750 ago 30 21:12 images.jpeg
drwxr-xr-x  5 root root  4096 ago 30 22:19 lalalalalala
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Música
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Plantillas
drwxr-xr-x 13 root root  4096 sep 11 22:49 PRUEBA
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Público
drwxr-xr-x  4 root root  4096 sep  8 21:53 user
drwxr-xr-x  2 arles arles 4096 ago 10 10:55 Vídeos
root@Debian:/home/arles#
```

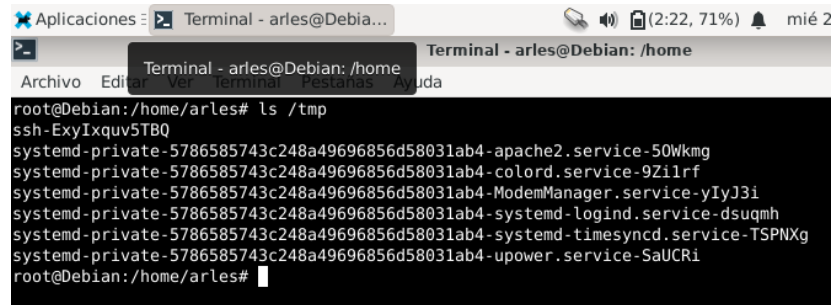
9. Visualice el árbol de archivos contenidos en /var, siempre sin cambiar de directorio de trabajo.

10. Listar todos los archivos del directorio bin.



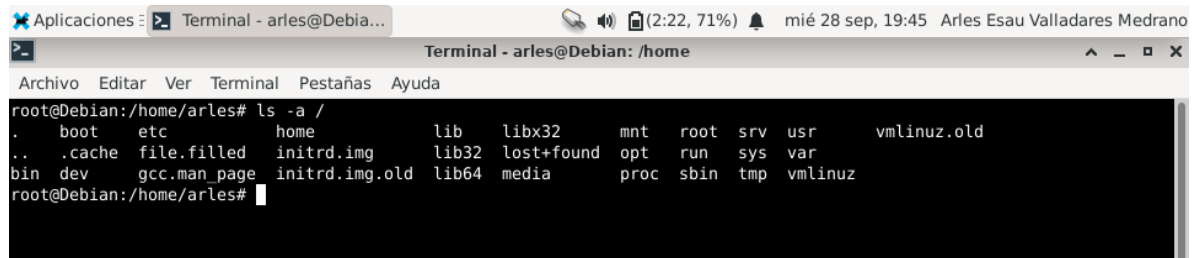
```
root@Debian:/home/arles# ls /bin
['
7z
7za
7zr
aa-enabled
aa-exec
ab
aconnect
addpart
alsabat
alsaloop
alsamixer
alsatplg
alsaucm
amidi
amixer
analog
aplay
aplaymidi
appres
apropos
apt
apt-cache
apt-cdrom
apt-config
apt-extracttemplates
apt-ftparchive
apt-get
apt-key
apt-listchanges
apt-mark
apt-sortpkgs
arch
arecord
arecordmidi
aseqdump
aseqnet
aspell
aspell-import
atobm
atrill
atrill-preview
atrill-thumbnailer
awk
axfer
b2sum
base32
base64
basename
basenc
bash
bashbug
bc
kernel-install
kill
kmod
koi8rxterm
l2ping
l2test
laptop-detect
last
lastb
lastlog
lcf
ldd
less
lessecho
lessfile
lesskey
lesspipe
lexgrog
lft
lft.db
libnetcfg
libreoffice
libwacom-list-local-devices
light-locker
light-locker-command
link
linux32
linux64
linux-boot-prober
linux-check-removal
linux-update-symlinks
linux-version
listres
ln
lnstat
loadkeys
loadunimap
localc
locale
localectl
localedef
lodraw
loffice
lofromtemplate
logger
login
loginctl
logname
logresolve
loimpress
lomath
look
loweb
sdiff
sdptool
sed
see
select-default-iwrap
select-editor
sensible-browser
sensible-editor
sensible-pager
sensors
sensors-conf-convert
seq
sessreg
setarch
setfacl
setfont
setkeycodes
setleds
setlogcons
setmetamode
setpci
setpriv
setsid
setterm
setupcon
setvtrgb
setxkbmap
sftp
sg
sh
sha1sum
sha224sum
sha256sum
sha384sum
sha512sum
shasum
showconsolefont
showkey
showrgb
shred
shuf
skill
slabtop
sleep
slogin
smproxy
snice
soelim
soffice
sort
spa-acp-tool
spa-inspect
spa-monitor
```

11. Listar todos los archivos del directorio tmp



```
root@Debian:/home/arles# ls /tmp
ssh-ExyIqxuv5TBQ
systemd-private-5786585743c248a49696856d58031ab4-apache2.service-50Wkmg
systemd-private-5786585743c248a49696856d58031ab4-colord.service-9Zilrf
systemd-private-5786585743c248a49696856d58031ab4-ModemManager.service-yIyJ3i
systemd-private-5786585743c248a49696856d58031ab4-systemd-logind.service-dsuqmh
systemd-private-5786585743c248a49696856d58031ab4-systemd-timesyncd.service-TSPNXg
systemd-private-5786585743c248a49696856d58031ab4-upower.service-SaUCRi
root@Debian:/home/arles#
```

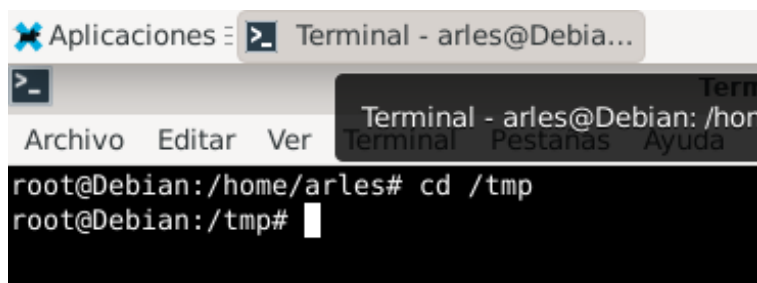
12. Listar todos los archivos, incluidos los ocultos, del directorio raíz.



```
root@Debian:/home/arles# ls -a /
.  boot  etc  home  lib  libx32  mnt  root  srv  usr  vmlinuz.old
.. .cache file.filled initrd.img  lib32  lost+found  opt  run  sys  var
bin dev  gcc.man.page  initrd.img.old  lib64  media  proc  sbin  tmp  vmlinuz
root@Debian:/home/arles#
```

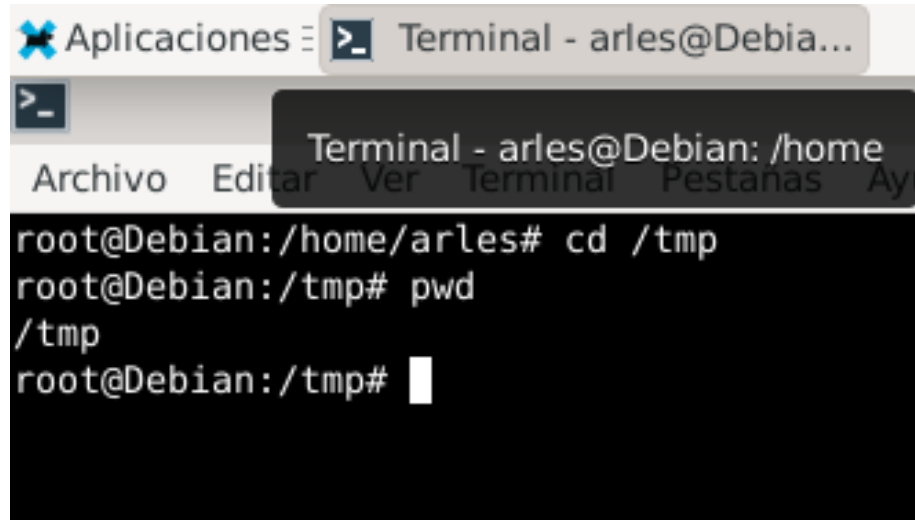
13. Listar todos los archivos del directorio home y sus subdirectorios.

14. Cambiarse al directorio tmp.



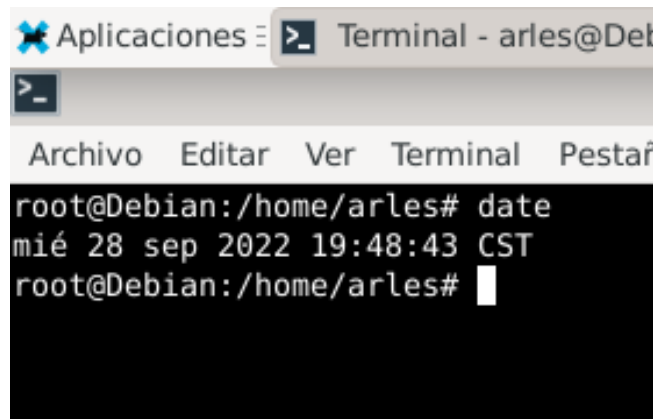
```
root@Debian:/home/arles# cd /tmp
root@Debian:/tmp#
```

15. Verificar que el directorio actual ha cambiado.

A terminal window titled 'Terminal - arles@Debian...' is shown. The prompt is 'root@Debian:/home/arles#'. The user enters 'cd /tmp', and the prompt changes to 'root@Debian:/tmp#'. Then, the user enters 'pwd', and the output is '/tmp'.

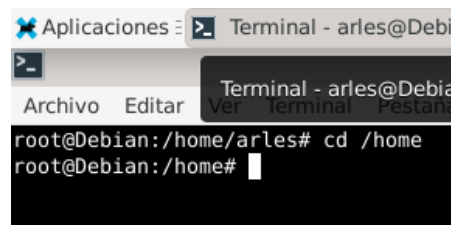
```
root@Debian:/home/arles# cd /tmp
root@Debian:/tmp# pwd
/tmp
root@Debian:/tmp#
```

16. Mostrar el día y la hora actual.

A terminal window titled 'Terminal - arles@Debian...' is shown. The prompt is 'root@Debian:/home/arles#'. The user enters 'date', and the output is 'mié 28 sep 2022 19:48:43 CST'.

```
root@Debian:/home/arles# date
mié 28 sep 2022 19:48:43 CST
root@Debian:/home/arles#
```

17. Con un solo comando posicionarse en el directorio \$HOME.

A terminal window titled 'Terminal - arles@Debian...' is shown. The prompt is 'root@Debian:/home/arles#'. The user enters 'cd /home', and the prompt changes to 'root@Debian:/home#'.

```
root@Debian:/home/arles# cd /home
root@Debian:/home#
```

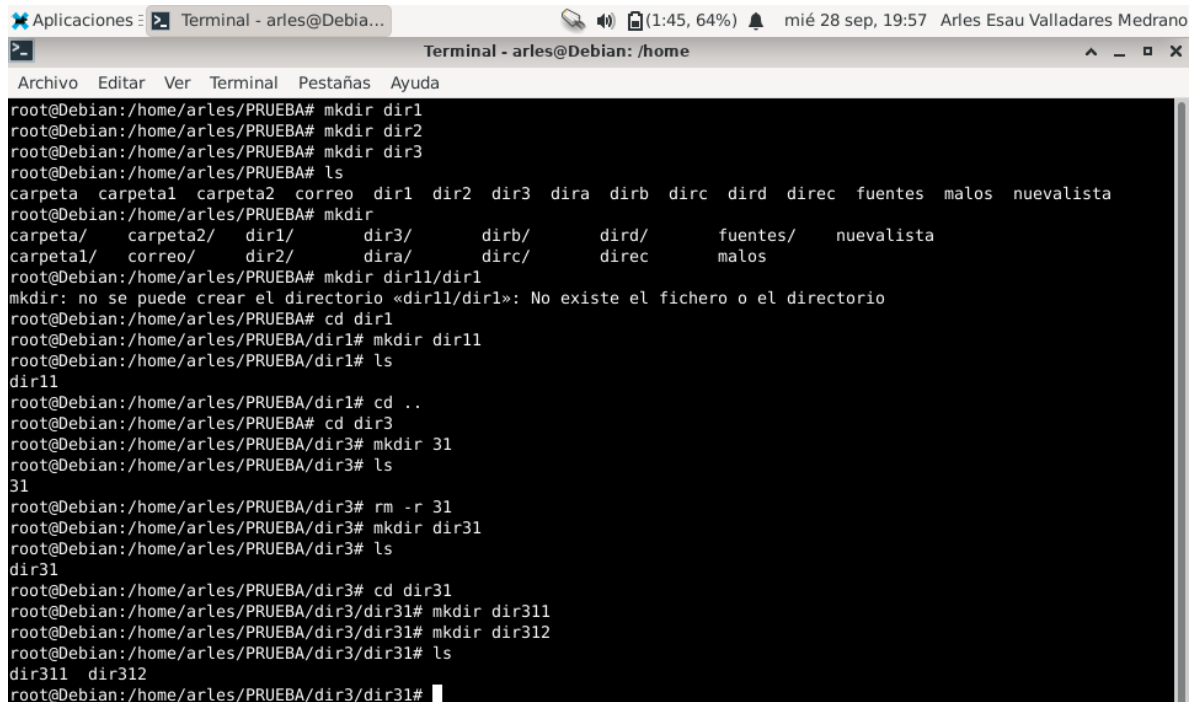
18. Crear los directorios dir1, dir2 y dir3 en el directorio PRUEBA. Dentro de dir1 crear el directorio dir11. Dentro del directorio dir3 crear el directorio dir31. Dentro del directorio dir31, crear los directorios dir311 y dir312.

```

root@Debian:/home/arles# mkdir PRUEBA
root@Debian:/home/arles# cd PRUEBA
root@Debian:/home/arles/PRUEBA# mkdir dir1
root@Debian:/home/arles/PRUEBA# mkdir dir2
root@Debian:/home/arles/PRUEBA# mkdir dir3
root@Debian:/home/arles/PRUEBA# ls
dir1 dir2 dir3
root@Debian:/home/arles/PRUEBA# cd dir1
root@Debian:/home/arles/PRUEBA/dir1# mkdir dir11
root@Debian:/home/arles/PRUEBA/dir1# ls
dir11
root@Debian:/home/arles/PRUEBA/dir1# cd /home/arles/P
Plantillas/ PRUEBA/ Público/
root@Debian:/home/arles/PRUEBA/dir1# cd /home/arles/PRUEBA/dir3
root@Debian:/home/arles/PRUEBA/dir3# mkdir dir31
root@Debian:/home/arles/PRUEBA/dir3# ls
dir31
root@Debian:/home/arles/PRUEBA/dir3# cd /home/arles/PRUEBA/dir3/dir31
root@Debian:/home/arles/PRUEBA/dir3/dir31# mkdir dir 311
root@Debian:/home/arles/PRUEBA/dir3/dir31# mkdir dir312
root@Debian:/home/arles/PRUEBA/dir3/dir31# ls
311 dir dir312
root@Debian:/home/arles/PRUEBA/dir3/dir31# █

```

19. Muestra los directorios y subdirectorios de PRUEBA.

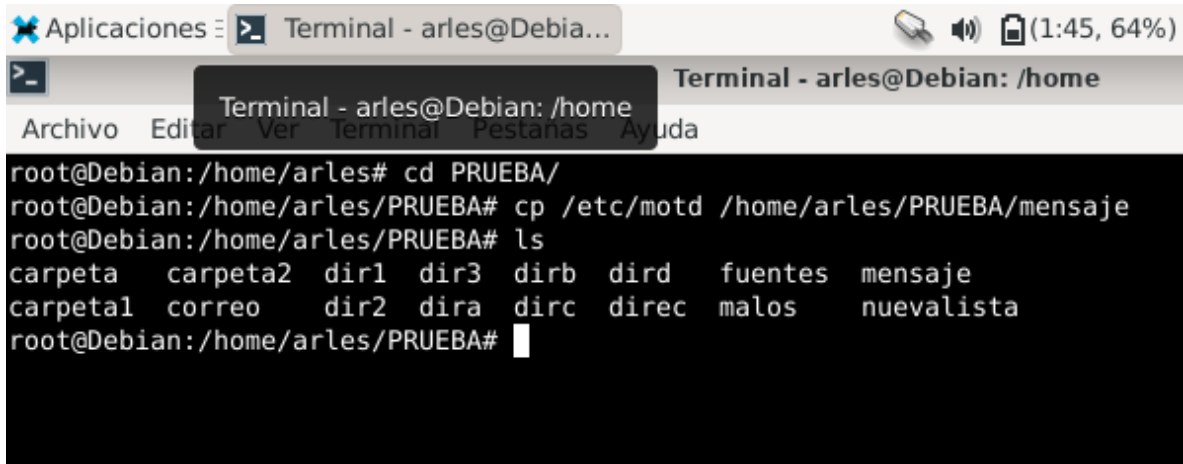


```

Terminal - arles@Debian: /home
Archivo Editar Ver Terminal Pestañas Ayuda
root@Debian:/home/arles/PRUEBA# mkdir dir1
root@Debian:/home/arles/PRUEBA# mkdir dir2
root@Debian:/home/arles/PRUEBA# mkdir dir3
root@Debian:/home/arles/PRUEBA# ls
carpeta carpeta1 carpeta2 correo dir1 dir2 dir3 dira dirb dirc dird direc fuentes malos nuevalista
root@Debian:/home/arles/PRUEBA# mkdir
carpeta/ carpeta2/ dir1/ dir3/ dirb/ dird/ fuentes/ nuevalista
carpeta1/ correo/ dir2/ dira/ dirc/ direc malos
root@Debian:/home/arles/PRUEBA# mkdir dir11/dir1
mkdir: no se puede crear el directorio «dir11/dir1»: No existe el fichero o el directorio
root@Debian:/home/arles/PRUEBA# cd dir1
root@Debian:/home/arles/PRUEBA/dir1# mkdir dir11
root@Debian:/home/arles/PRUEBA/dir1# ls
dir11
root@Debian:/home/arles/PRUEBA/dir1# cd ..
root@Debian:/home/arles/PRUEBA# cd dir3
root@Debian:/home/arles/PRUEBA/dir3# mkdir 31
root@Debian:/home/arles/PRUEBA/dir3# ls
31
root@Debian:/home/arles/PRUEBA/dir3# rm -r 31
root@Debian:/home/arles/PRUEBA/dir3# mkdir dir31
root@Debian:/home/arles/PRUEBA/dir3# ls
dir31
root@Debian:/home/arles/PRUEBA/dir3# cd dir31
root@Debian:/home/arles/PRUEBA/dir3/dir31# mkdir dir311
root@Debian:/home/arles/PRUEBA/dir3/dir31# mkdir dir312
root@Debian:/home/arles/PRUEBA/dir3/dir31# ls
dir311 dir312
root@Debian:/home/arles/PRUEBA/dir3/dir31# █

```


20. Copiar el archivo `/etc/motd` a un archivo llamado `mensaje` de tu directorio `PRUEBA`.



The screenshot shows a terminal window titled "Terminal - arles@Debian...". The terminal content is as follows:

```
root@Debian:/home/arles# cd PRUEBA/
root@Debian:/home/arles/PRUEBA# cp /etc/motd /home/arles/PRUEBA/mensaje
root@Debian:/home/arles/PRUEBA# ls
carpeta  carpeta2  dir1  dir3  dirb  dird  fuentes  mensaje
carpetal correo  dir2  dira  dirc  direc malos  nuevalista
root@Debian:/home/arles/PRUEBA#
```