



**Universidad Nacional
Autónoma de México**
Facultad de Ingeniería
División de Ciencias Básicas



Fundamentos de Programación (1122)

Profesor: M.I. Marco Antonio Martínez Quintana
Semestre 2021-1

Practica No. 02

GNU/Linux

Grupo: 1129

No. de Lista: 42

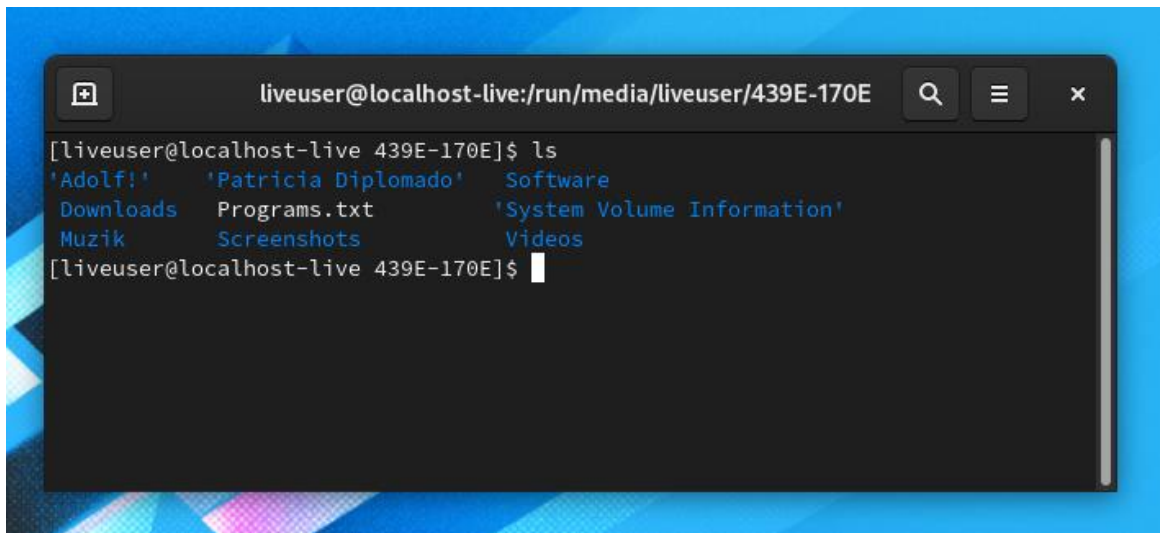
Nombre: Adolfo Román Jiménez

Fedora Linux – Terminal

Comandos:

- `ls`

(muestra los archivos dentro del folder donde se ubica)

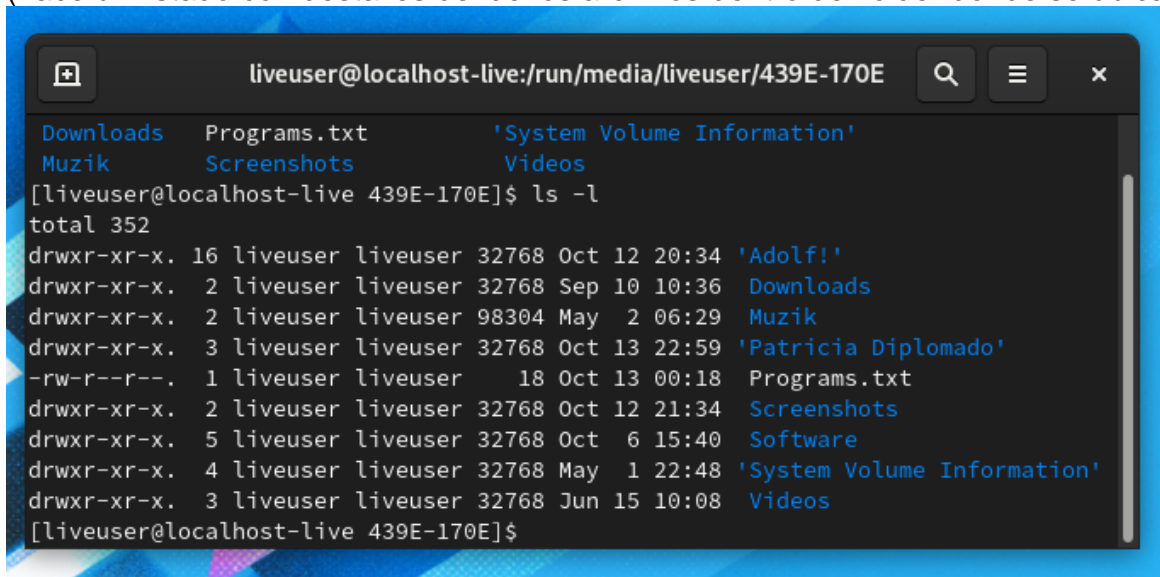


A terminal window titled 'liveuser@localhost-live:/run/media/liveuser/439E-170E' with search, menu, and close buttons. The command `ls` has been executed, displaying a list of files and directories in a color-coded format: 'Adolf!', 'Patricia Diplomado', Software, Downloads, Programs.txt, 'System Volume Information', Muzik, Screenshots, and Videos. The prompt is now ready for the next command.

```
[liveuser@localhost-live 439E-170E]$ ls
'Adolf!'      'Patricia Diplomado'  Software
Downloads    Programs.txt          'System Volume Information'
Muzik        Screenshots           Videos
[liveuser@localhost-live 439E-170E]$
```

- `ls -l`

(hace un listado con destalles del de los archivos dentro del folder donde se ubica)

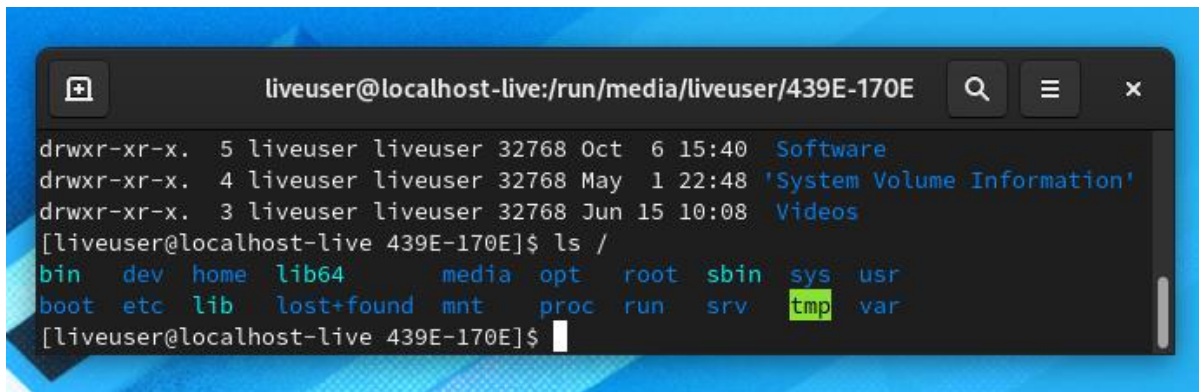


The same terminal window shows the output of `ls -l`. It provides detailed information for each file, including permissions, size, owner, group, modification date and time, and the file name. The files are listed in the same order as in the first screenshot.

```
[liveuser@localhost-live 439E-170E]$ ls -l
total 352
drwxr-xr-x. 16 liveuser liveuser 32768 Oct 12 20:34 'Adolf!'
drwxr-xr-x.  2 liveuser liveuser 32768 Sep 10 10:36 Downloads
drwxr-xr-x.  2 liveuser liveuser 98304 May  2 06:29 Muzik
drwxr-xr-x.  3 liveuser liveuser 32768 Oct 13 22:59 'Patricia Diplomado'
-rw-r--r--.  1 liveuser liveuser   18 Oct 13 00:18 Programs.txt
drwxr-xr-x.  2 liveuser liveuser 32768 Oct 12 21:34 Screenshots
drwxr-xr-x.  5 liveuser liveuser 32768 Oct  6 15:40 Software
drwxr-xr-x.  4 liveuser liveuser 32768 May  1 22:48 'System Volume Information'
drwxr-xr-x.  3 liveuser liveuser 32768 Jun 15 10:08 Videos
[liveuser@localhost-live 439E-170E]$
```

- `ls /`

(muestra archivos de la carpeta *root* desde cualquier ubicación)

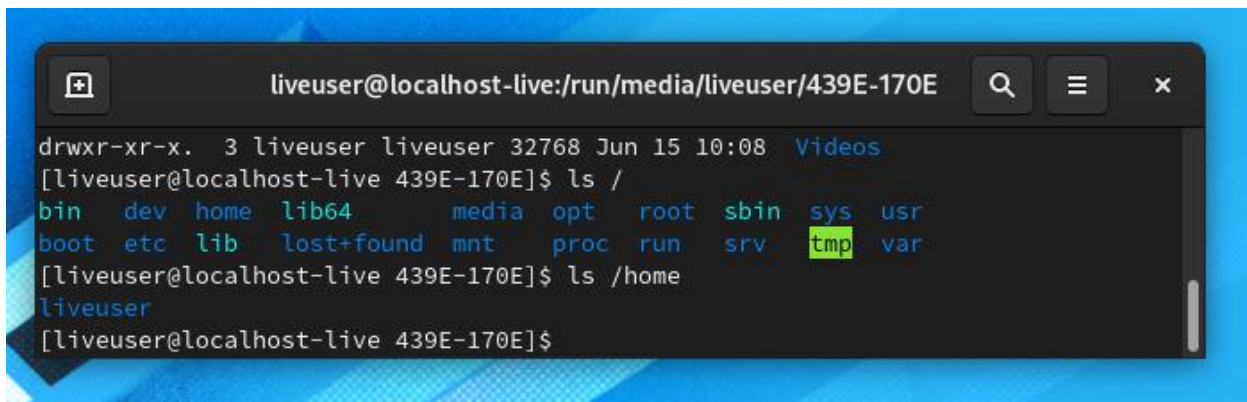


A terminal window titled "liveuser@localhost-live:/run/media/liveuser/439E-170E" with search, menu, and close icons. The terminal shows the command `ls /` and its output:

```
drwxr-xr-x. 5 liveuser liveuser 32768 Oct  6 15:40 Software
drwxr-xr-x. 4 liveuser liveuser 32768 May  1 22:48 'System Volume Information'
drwxr-xr-x. 3 liveuser liveuser 32768 Jun 15 10:08 Videos
[liveuser@localhost-live 439E-170E]$ ls /
bin  dev  home  lib64      media  opt  root  sbin  sys  usr
boot etc  lib   lost+found mnt    proc run  srv   tmp  var
[liveuser@localhost-live 439E-170E]$
```

- `ls /home`

(muestra archivos de la carpeta *home* en *root* desde cualquier ubicación)

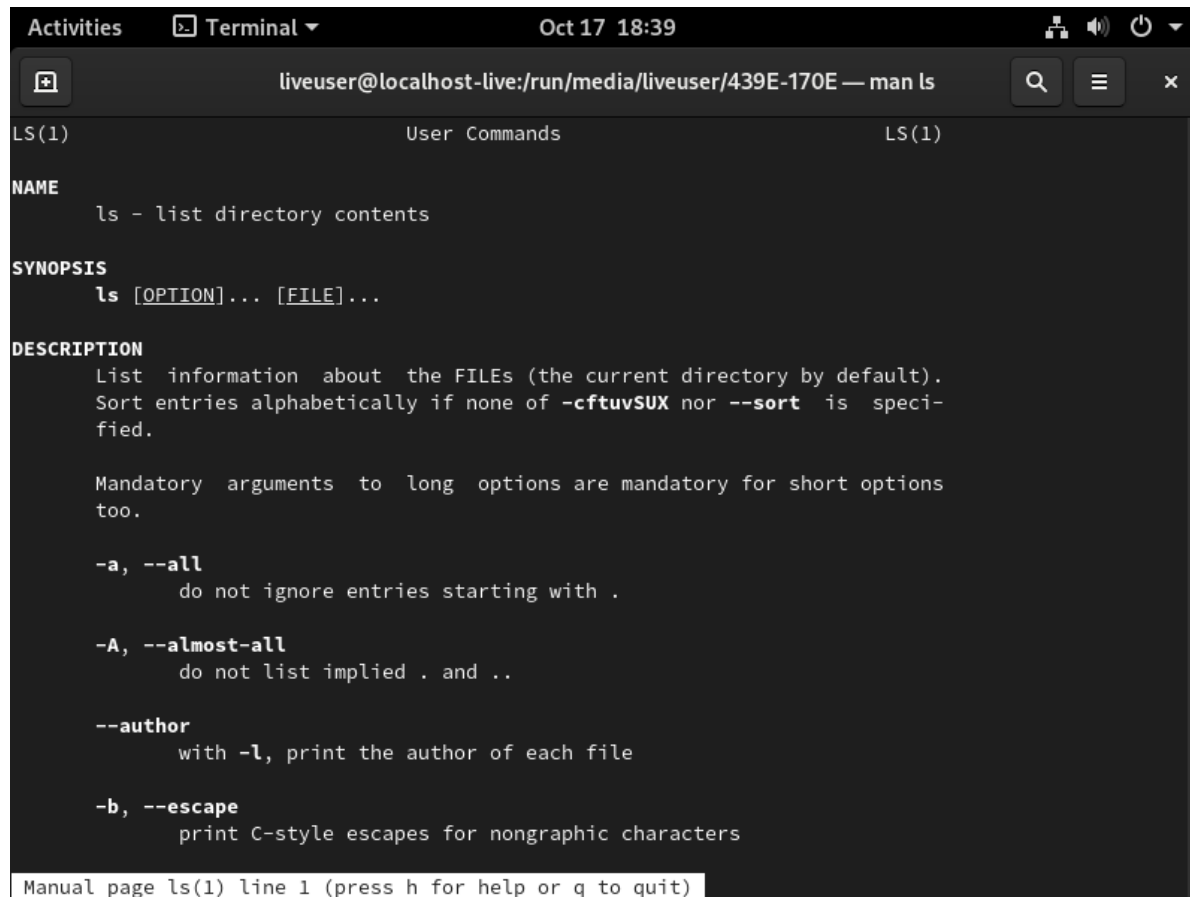


A terminal window titled "liveuser@localhost-live:/run/media/liveuser/439E-170E" with search, menu, and close icons. The terminal shows the command `ls /home` and its output:

```
drwxr-xr-x. 3 liveuser liveuser 32768 Jun 15 10:08 Videos
[liveuser@localhost-live 439E-170E]$ ls /
bin  dev  home  lib64      media  opt  root  sbin  sys  usr
boot etc  lib   lost+found mnt    proc run  srv   tmp  var
[liveuser@localhost-live 439E-170E]$ ls /home
liveuser
[liveuser@localhost-live 439E-170E]$
```

- *man ls*

(El comando *man* seguido del argumento, describe las opciones del comando usado como argumento)



The screenshot shows a terminal window titled "liveuser@localhost-live:/run/media/liveuser/439E-170E — man ls". The terminal displays the manual page for the `ls` command. The content is as follows:

```
LS(1)                                User Commands                                LS(1)

NAME
    ls - list directory contents

SYNOPSIS
    ls [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by default).
    Sort entries alphabetically if none of -cftuvSUX nor --sort is speci-
    fied.

    Mandatory arguments to long options are mandatory for short options
    too.

    -a, --all
        do not ignore entries starting with .

    -A, --almost-all
        do not list implied . and ..

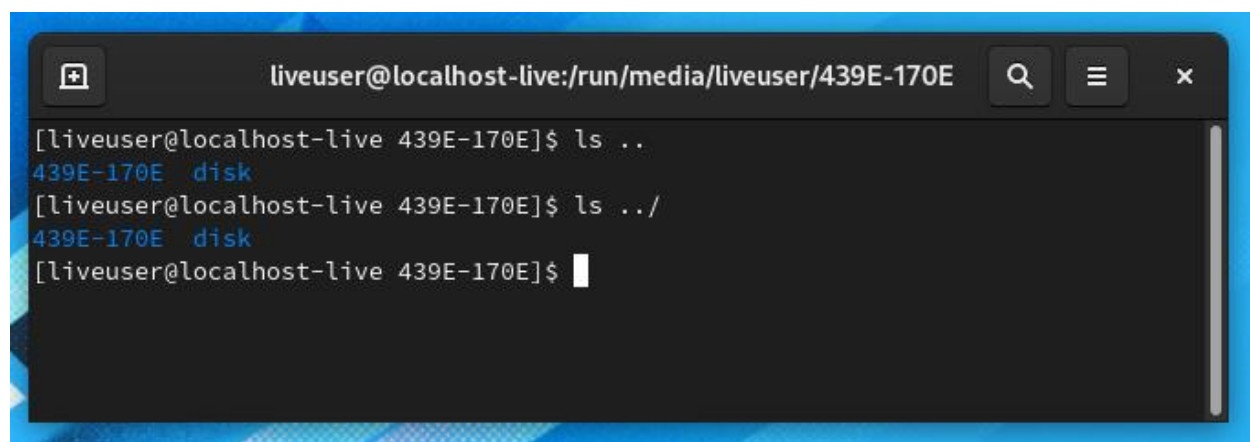
    --author
        with -l, print the author of each file

    -b, --escape
        print C-style escapes for nongraphic characters

Manual page ls(1) line 1 (press h for help or q to quit)
```

- *ls .. o ls ../*

(Muestra los archivos del directorio padre donde la carpeta se encuentra ubicada)



The screenshot shows a terminal window titled "liveuser@localhost-live:/run/media/liveuser/439E-170E". The terminal displays the following commands and their output:

```
[liveuser@localhost-live 439E-170E]$ ls ..
439E-170E disk
[liveuser@localhost-live 439E-170E]$ ls ../
439E-170E disk
[liveuser@localhost-live 439E-170E]$
```

- `ls ../../../../etc`

(Nos permite formar la lista de un directorio padre de forma relativa al directorio donde nos encontramos)

```

liveuser@localhost-live:/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$ ls ../../../../run
alsactl.pid      firewallld      lvm             ppp             systemd
auditd.pid       gdm             mcelog-client  pptp            tmpfiles.d
avahi-daemon     gluster         mcelog.pid     radvd           tpm2-tss
blkid            gssproxy.pid   mdadm          rpcbind         udev
chrony           gssproxy.sock  media          rpcbind.sock   udisks2
console         hplip          motd           rpc.statd.pid  user
criu            httpd          motd.d         samba          utmp
cryptsetup       initctl        mount          sepermit       vmware
cups            initramfs     NetworkManager setrans        vpnc
dbus            libgpod        openvpn-client sm-notify.pid  xtables.lock
dmeventd-client libvirt        openvpn-server spice-vdagentd
dmeventd-server lock           plymouth       sssd.pid
faillock        log            podman         sudo
[liveuser@localhost-live 439E-170E]$ ls /run
alsactl.pid      firewallld      lvm             ppp             systemd
auditd.pid       gdm             mcelog-client  pptp            tmpfiles.d
avahi-daemon     gluster         mcelog.pid     radvd           tpm2-tss
blkid            gssproxy.pid   mdadm          rpcbind         udev
chrony           gssproxy.sock  media          rpcbind.sock   udisks2
console         hplip          motd           rpc.statd.pid  user
criu            httpd          motd.d         samba          utmp
cryptsetup       initctl        mount          sepermit       vmware
cups            initramfs     NetworkManager setrans        vpnc
dbus            libgpod        openvpn-client sm-notify.pid  xtables.lock
dmeventd-client libvirt        openvpn-server spice-vdagentd
dmeventd-server lock           plymouth       sssd.pid
faillock        log            podman         sudo
[liveuser@localhost-live 439E-170E]$

```

- `touch`

(Aunque en la práctica dice que el comando `touch` crea archivos de texto, en el internet especifica que únicamente genera archivos que no tienen información y que no necesariamente son archivos que terminan en `.txt`)

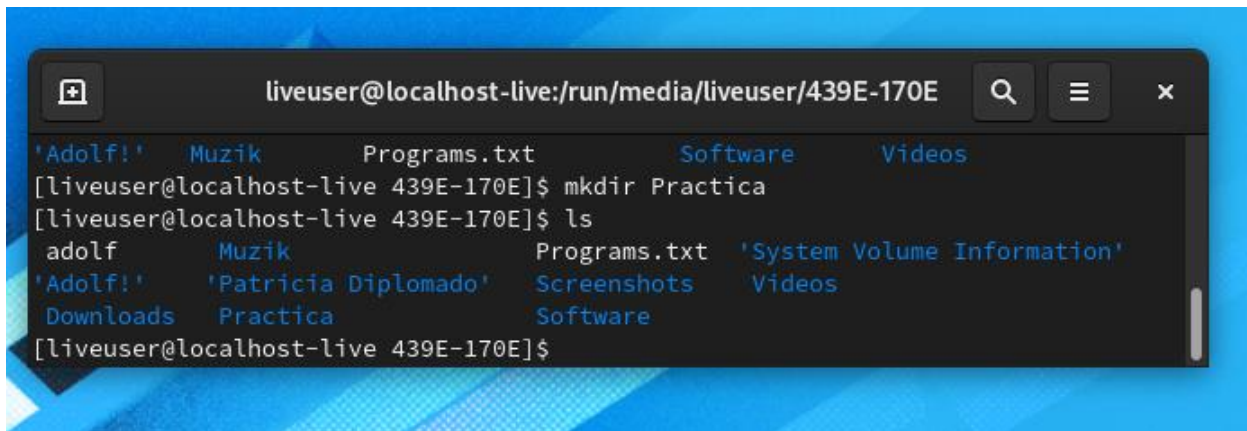
```

liveuser@localhost-live:/run/media/liveuser/439E-170E
dmeventd-client  libvirt        openvpn-server  spice-vdagentd
dmeventd-server  lock           plymouth       sssd.pid
faillock        log            podman         sudo
[liveuser@localhost-live 439E-170E]$ man touch
[liveuser@localhost-live 439E-170E]$ touch adolf
[liveuser@localhost-live 439E-170E]$ ls
adolf  Downloads  'Patricia Diplomado'  Screenshots  'System Volume Informa
tion'
'Adolf!'  Muzik      Programs.txt          Software     Videos
[liveuser@localhost-live 439E-170E]$

```


- `mkdir`

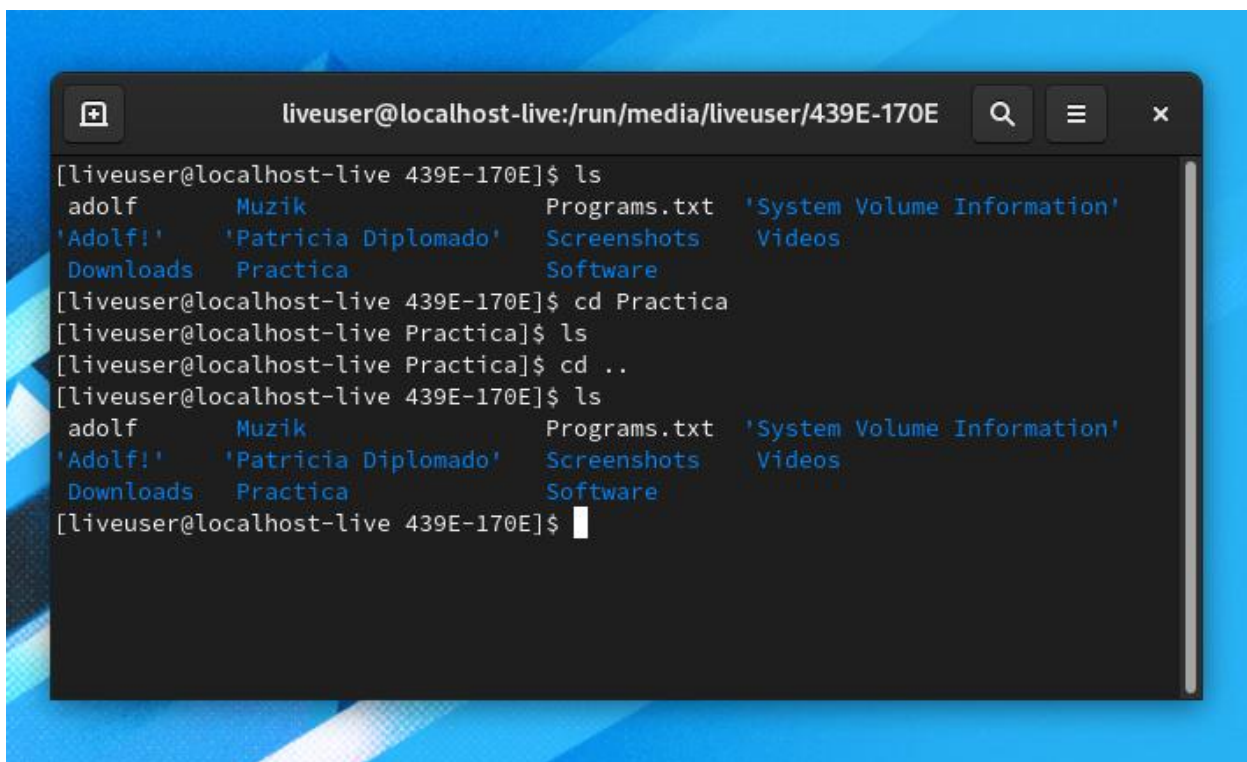
(Genera un directorio en la ubicación)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
'Adolf!'  Muzik      Programs.txt      Software      Videos
[liveuser@localhost-live 439E-170E]$ mkdir Practica
[liveuser@localhost-live 439E-170E]$ ls
adolf      Muzik      Programs.txt      'System Volume Information'
'Adolf!'   'Patricia Diplomado' Screenshots      Videos
Downloads  Practica    Software
```

- `cd`

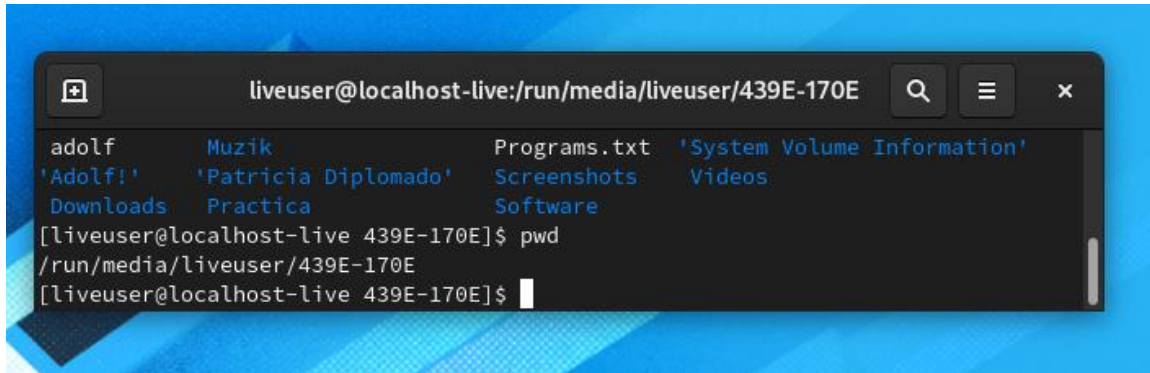
(Significa “*change directory*” y permite ingresar a una carpeta deseada utilizando `cd` (nombre de carpeta) en la ubicación del directorio, cuando se quiere ir a la carpeta padre en el primer nivel se puede utilizar el comando `cd ..`)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$ ls
adolf      Muzik      Programs.txt      'System Volume Information'
'Adolf!'   'Patricia Diplomado' Screenshots      Videos
Downloads  Practica    Software
[liveuser@localhost-live 439E-170E]$ cd Practica
[liveuser@localhost-live Practica]$ ls
[liveuser@localhost-live Practica]$ cd ..
[liveuser@localhost-live 439E-170E]$ ls
adolf      Muzik      Programs.txt      'System Volume Information'
'Adolf!'   'Patricia Diplomado' Screenshots      Videos
Downloads  Practica    Software
[liveuser@localhost-live 439E-170E]$
```

- *pwd*

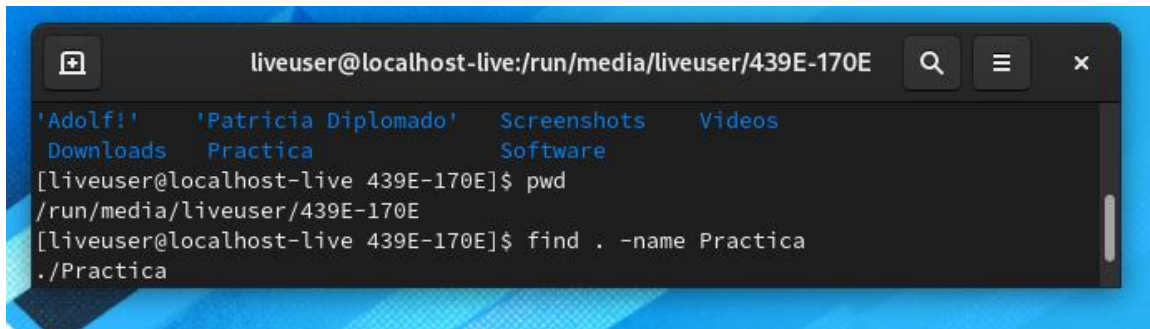
(Permite conocer la ruta actual)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
adolf      Muzik      Programs.txt 'System Volume Information'
'Adolf!''  'Patricia Diplomado' Screenshots  Videos
Downloads  Practica    Software
[liveuser@localhost-live 439E-170E]$ pwd
/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$
```

- *find*

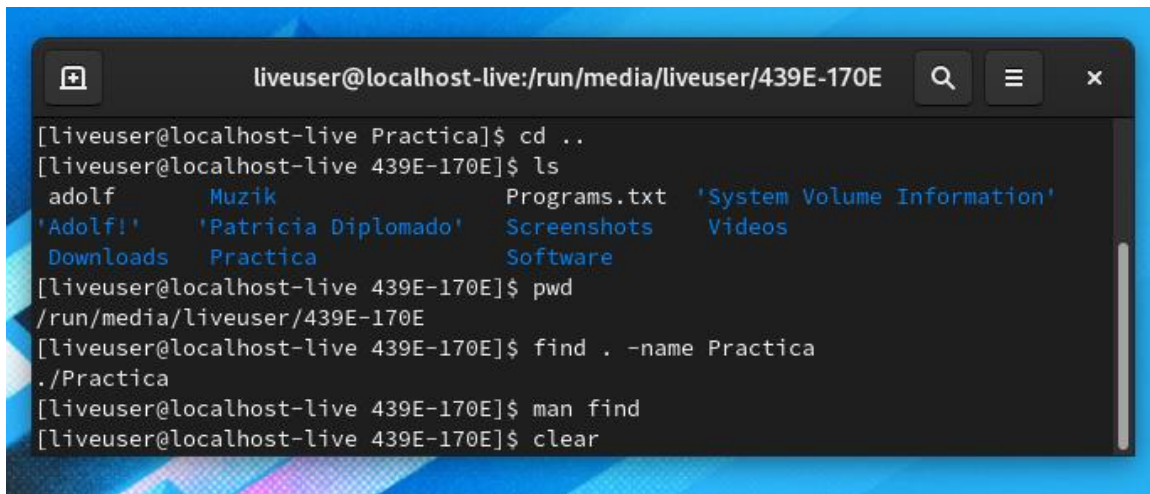
(Permite encontrar un archivo o directorio en una jerarquía)



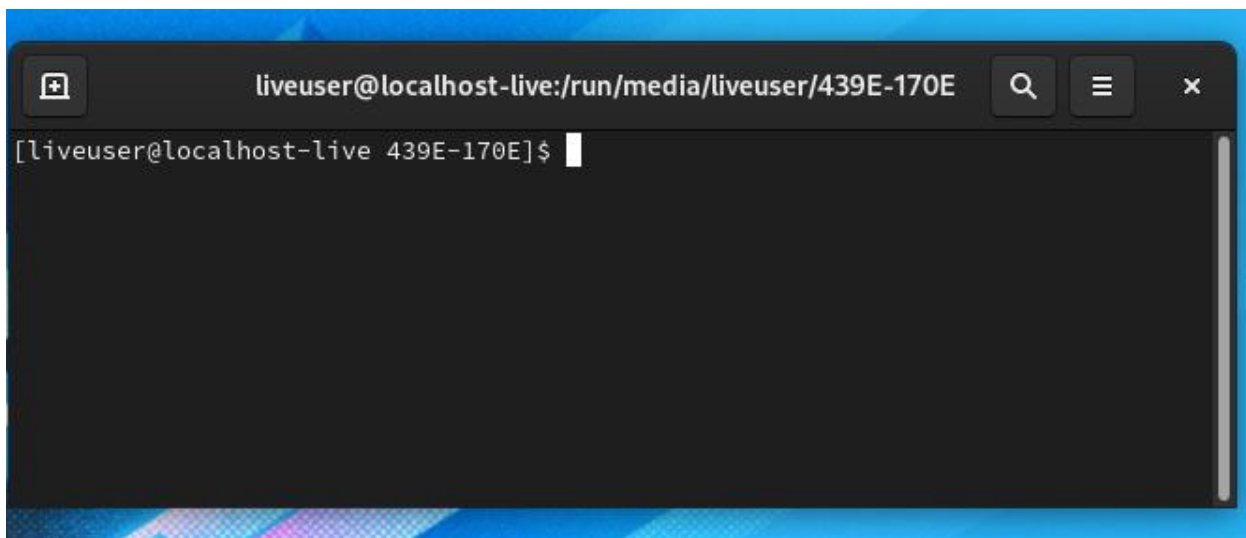
```
liveuser@localhost-live:/run/media/liveuser/439E-170E
'Adolf!''  'Patricia Diplomado' Screenshots  Videos
Downloads  Practica    Software
[liveuser@localhost-live 439E-170E]$ pwd
/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$ find . -name Practica
./Practica
```

- *clear*

(Limpia la pantalla)



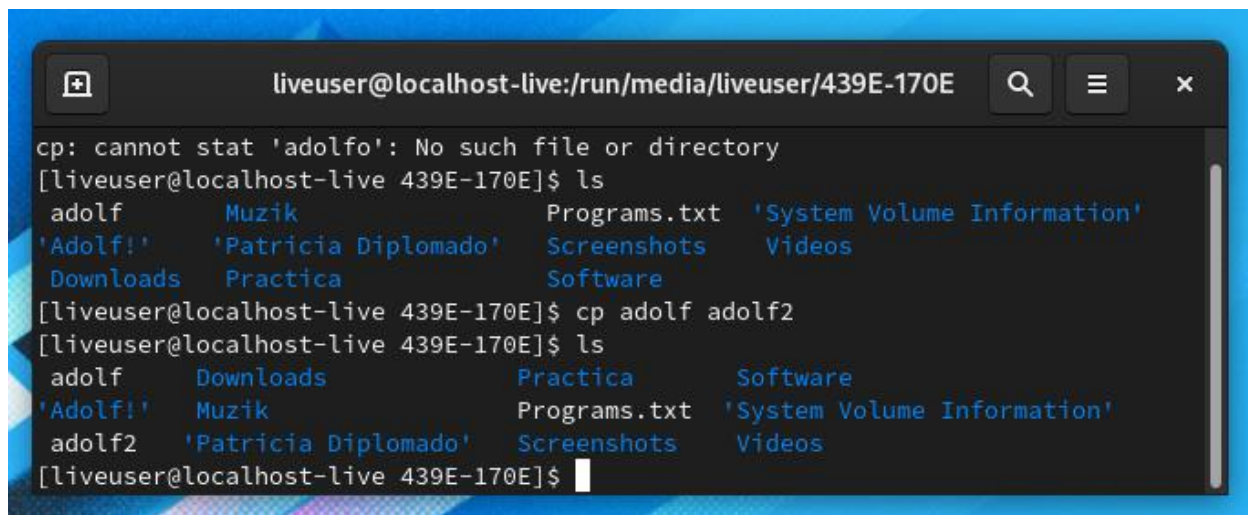
```
liveuser@localhost-live:/run/media/liveuser/439E-170E
[liveuser@localhost-live Practica]$ cd ..
[liveuser@localhost-live 439E-170E]$ ls
  Adolf      Muzik      Programs.txt  'System Volume Information'
'Adolf!'    'Patricia Diplomado'  Screenshots  Videos
Downloads  Practica    Software
[liveuser@localhost-live 439E-170E]$ pwd
/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$ find . -name Practica
./Practica
[liveuser@localhost-live 439E-170E]$ man find
[liveuser@localhost-live 439E-170E]$ clear
```



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
[liveuser@localhost-live 439E-170E]$
```


- *cp*

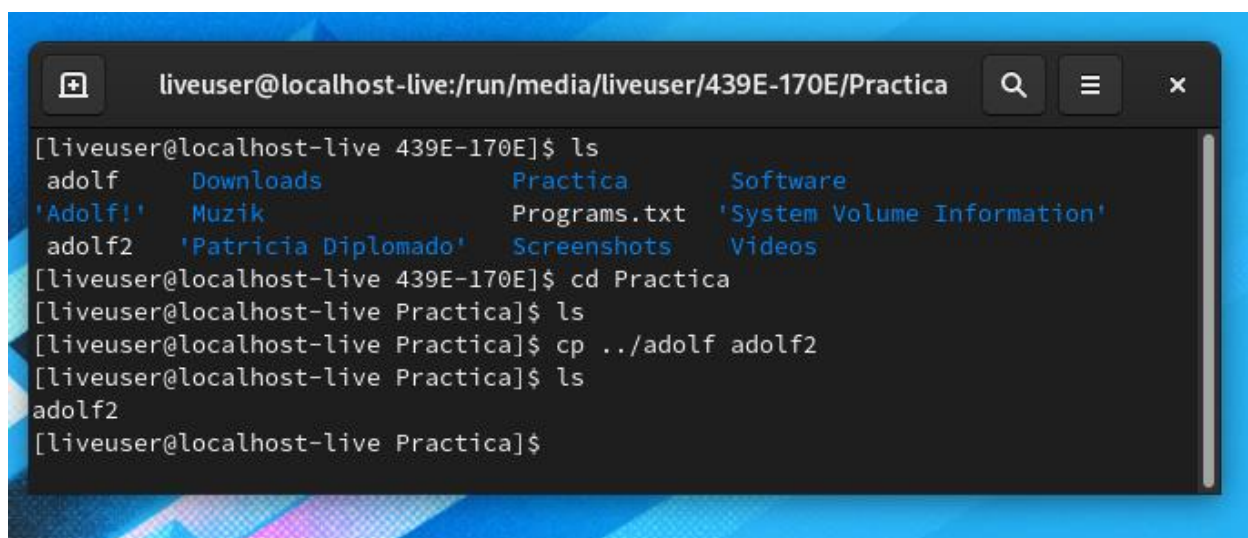
(Permite copiar un archivo hacia el mismo directorio)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
cp: cannot stat 'adolfo': No such file or directory
[liveuser@localhost-live 439E-170E]$ ls
  adolf      Muzik      Programs.txt  'System Volume Information'
'Adolf!'    'Patricia Diplomado'  Screenshots  Videos
Downloads  Practica      Software
[liveuser@localhost-live 439E-170E]$ cp adolf adolf2
[liveuser@localhost-live 439E-170E]$ ls
  adolf      Downloads      Practica      Software
'Adolf!'    Muzik          Programs.txt  'System Volume Information'
adolfo2    'Patricia Diplomado'  Screenshots  Videos
[liveuser@localhost-live 439E-170E]$
```

- *cp ../*

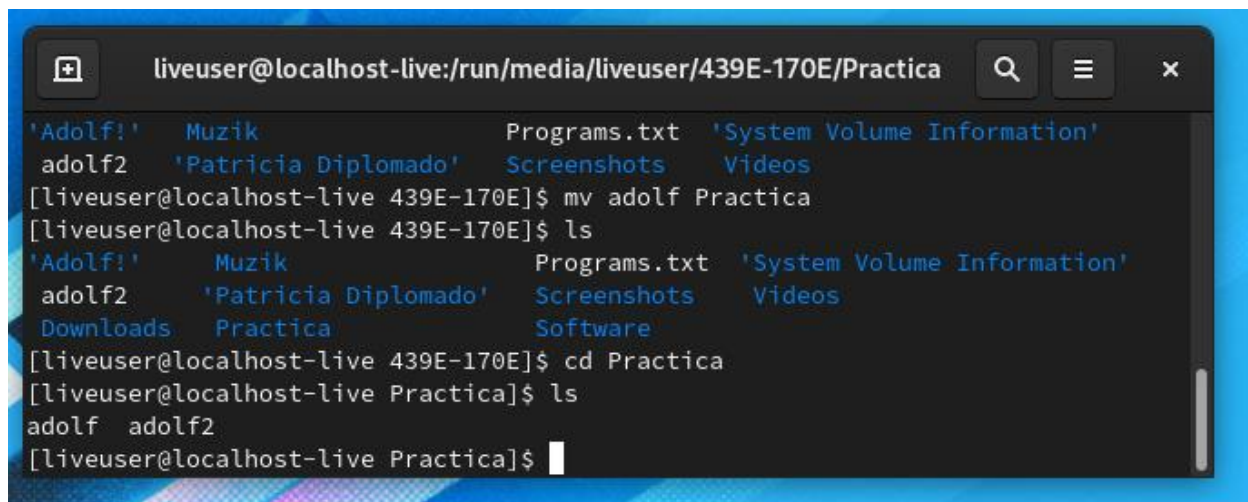
(nos permite copiar un archivo ubicado en el directorio padre hacia el nuevo.)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E/Practica
[liveuser@localhost-live 439E-170E]$ ls
  adolf      Downloads      Practica      Software
'Adolf!'    Muzik          Programs.txt  'System Volume Information'
adolfo2    'Patricia Diplomado'  Screenshots  Videos
[liveuser@localhost-live 439E-170E]$ cd Practica
[liveuser@localhost-live Practica]$ ls
[liveuser@localhost-live Practica]$ cp ../adolfo adolfo2
[liveuser@localhost-live Practica]$ ls
adolfo2
[liveuser@localhost-live Practica]$
```

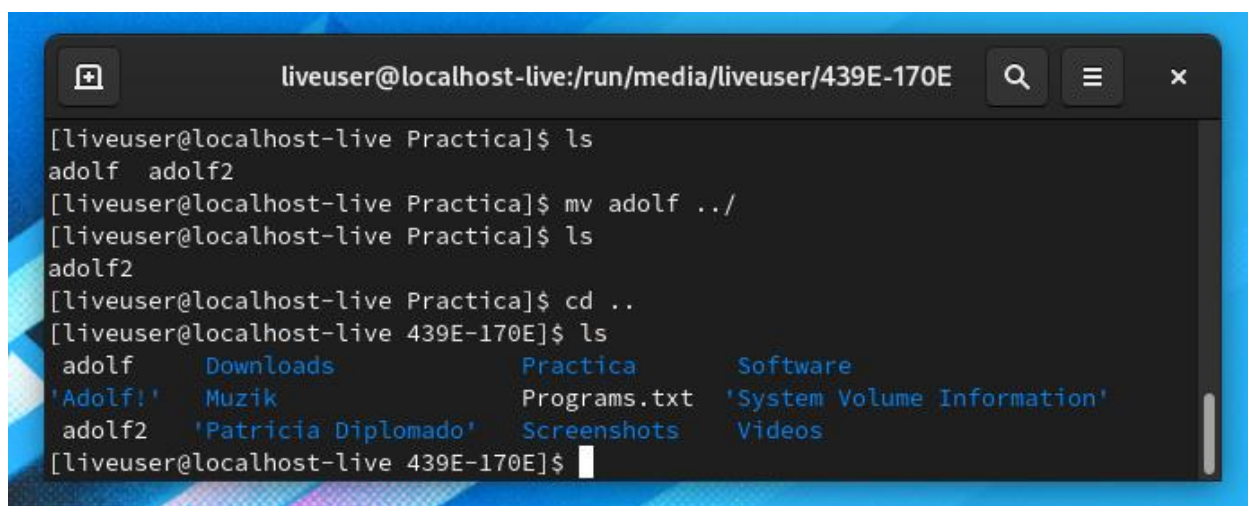
- *mv*

(Mueve archivos hacia otras direcciones)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E/Practica
'Adolf!'   Muzik          Programs.txt  'System Volume Information'
adol2     'Patricia Diplomado'  Screenshots  Videos
[liveuser@localhost-live 439E-170E]$ mv adolf Practica
[liveuser@localhost-live 439E-170E]$ ls
'Adolf!'   Muzik          Programs.txt  'System Volume Information'
adol2     'Patricia Diplomado'  Screenshots  Videos
Downloads  Practica        Software
[liveuser@localhost-live 439E-170E]$ cd Practica
[liveuser@localhost-live Practica]$ ls
adolf  adol2
[liveuser@localhost-live Practica]$
```

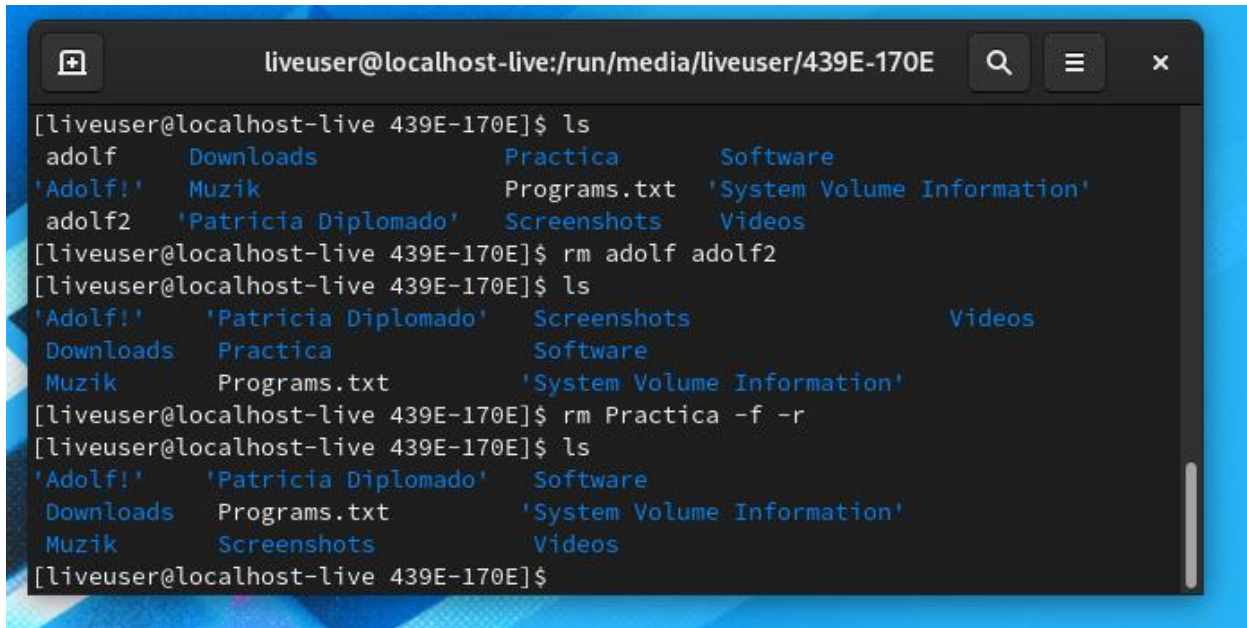
Para mover a carpeta padre es la misma lógica



```
liveuser@localhost-live:/run/media/liveuser/439E-170E
[liveuser@localhost-live Practica]$ ls
adolf  adol2
[liveuser@localhost-live Practica]$ mv adolf ../
[liveuser@localhost-live Practica]$ ls
adol2
[liveuser@localhost-live Practica]$ cd ..
[liveuser@localhost-live 439E-170E]$ ls
adolf  Downloads  Practica  Software
'Adolf!'  Muzik      Programs.txt  'System Volume Information'
adol2    'Patricia Diplomado'  Screenshots  Videos
[liveuser@localhost-live 439E-170E]$
```

- *rm*

(Remueve archivos, se usa *-f* para forzar la accion o *-r* para que esta acción igualmente sea recursiva)



```
liveuser@localhost-live:/run/media/liveuser/439E-170E  🔍  ≡  ✕

[liveuser@localhost-live 439E-170E]$ ls
  adolf      Downloads      Practica      Software
'Adolf!'    Muzik          Programs.txt  'System Volume Information'
  adolf2     'Patricia Diplomado'  Screenshots  Videos
[liveuser@localhost-live 439E-170E]$ rm adolf adolf2
[liveuser@localhost-live 439E-170E]$ ls
'Adolf!'    'Patricia Diplomado'  Screenshots      Videos
Downloads   Practica              Software
Muzik       Programs.txt          'System Volume Information'
[liveuser@localhost-live 439E-170E]$ rm Practica -f -r
[liveuser@localhost-live 439E-170E]$ ls
'Adolf!'    'Patricia Diplomado'  Software
Downloads   Programs.txt          'System Volume Information'
Muzik       Screenshots           Videos
[liveuser@localhost-live 439E-170E]$
```