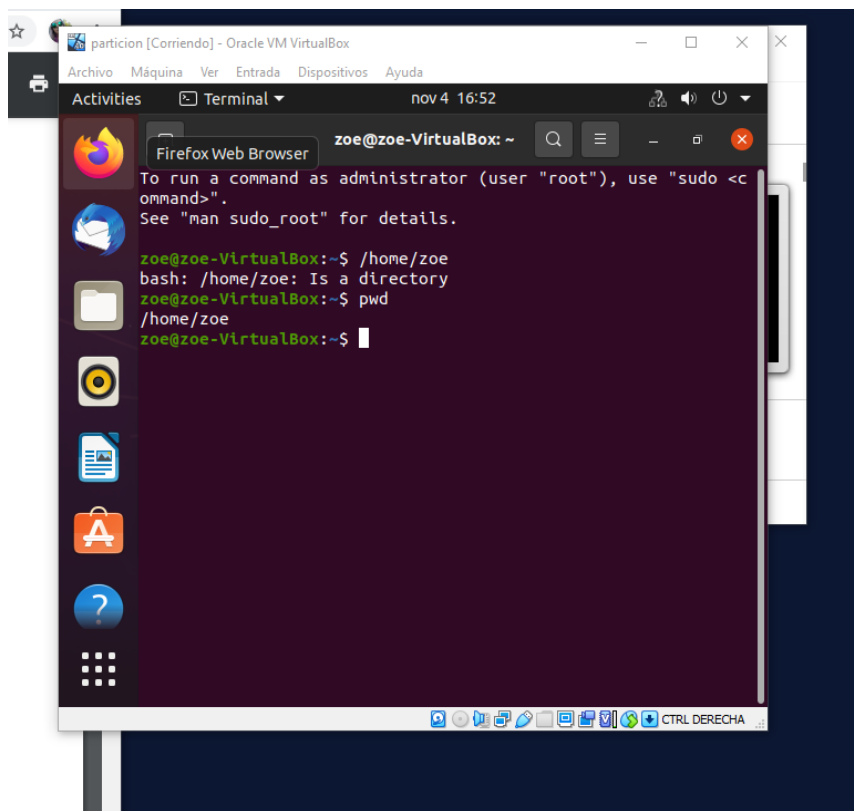
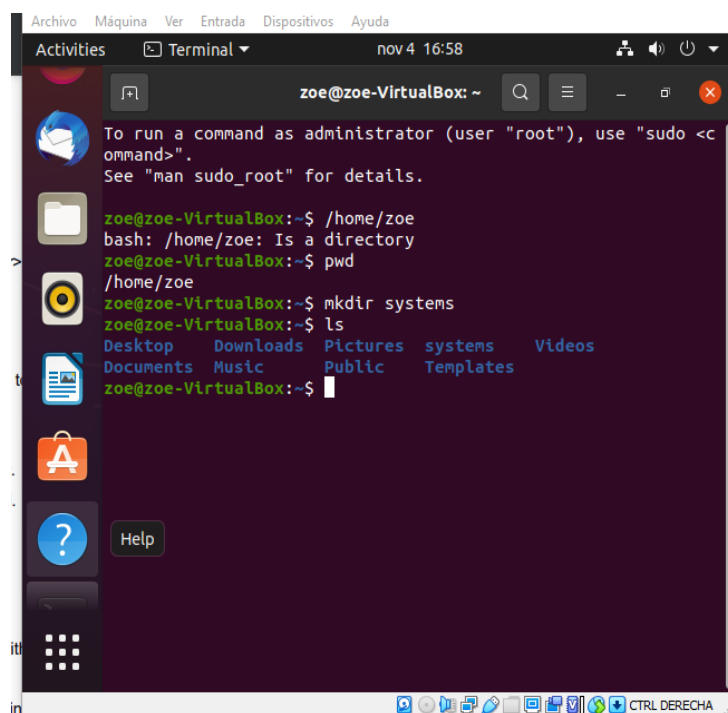


Exercises directories

1º Change the current directory to /home/

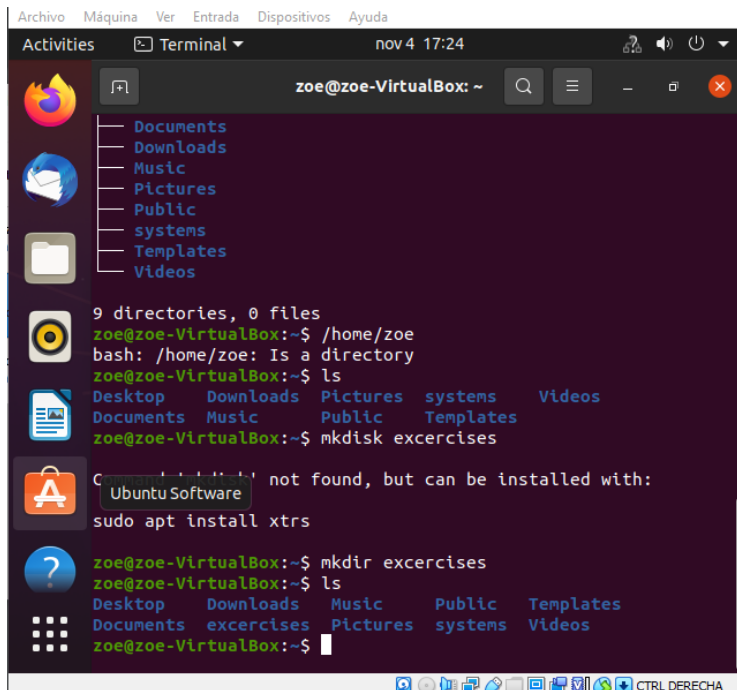


2º Create a directory called systems



For create a directory i use mkdir and ad the name of the new directory

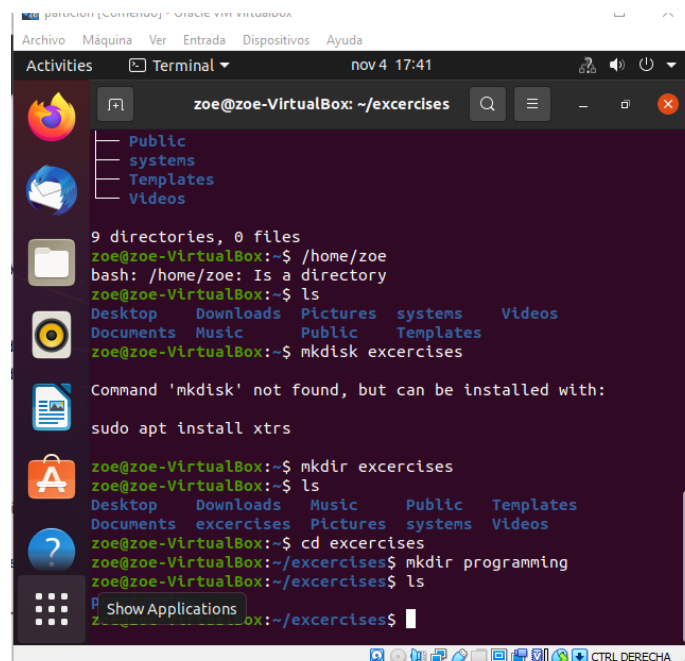
3º Create a directory called exercises. Go to this directory and create another new directory called programming



A terminal window titled 'zoe@zoe-VirtualBox: ~' with a menu bar (Archivo, Máquina, Ver, Entrada, Dispositivos, Ayuda) and a date/time display (nov 4 17:24). The left sidebar shows a file manager view of the home directory. The terminal output shows the user navigating to /home/zoe and listing directories. A message from 'Ubuntu Software' indicates that 'mkdisk' is not found but can be installed with 'sudo apt install xtrs'. The user then creates the 'exercises' directory with 'mkdir exercises' and lists the contents again, showing 'exercises' in the output.

```
zoe@zoe-VirtualBox:~$ /home/zoe
bash: /home/zoe: Is a directory
zoe@zoe-VirtualBox:~$ ls
Desktop  Downloads  Pictures  systems  Videos
Documents Music      Public   Templates
zoe@zoe-VirtualBox:~$ mkdisk exercises
Command 'mkdisk' not found, but can be installed with:
sudo apt install xtrs
zoe@zoe-VirtualBox:~$ mkdir exercises
zoe@zoe-VirtualBox:~$ ls
Desktop  Downloads  Music  Public  Templates
Documents exercises  Pictures systems  Videos
zoe@zoe-VirtualBox:~$
```

to create these directories I use the same that for the last exercise. at home I write mkdir exercises and to enter the directory i use cd. When i stay inside i use other time mkdir to create the second directory.



A terminal window titled 'zoe@zoe-VirtualBox: ~/exercises' with the same menu bar and date/time display. The left sidebar shows the file manager view of the 'exercises' directory. The terminal output shows the user navigating to /home/zoe, creating the 'exercises' directory, and then navigating into it with 'cd exercises'. Inside the 'exercises' directory, the user creates a 'programming' subdirectory with 'mkdir programming' and lists the contents, showing 'programming'.

```
zoe@zoe-VirtualBox:~/exercises$ /home/zoe
bash: /home/zoe: Is a directory
zoe@zoe-VirtualBox:~/exercises$ ls
Desktop  Downloads  Pictures  systems  Videos
Documents Music      Public   Templates
zoe@zoe-VirtualBox:~/exercises$ mkdisk exercises
Command 'mkdisk' not found, but can be installed with:
sudo apt install xtrs
zoe@zoe-VirtualBox:~/exercises$ mkdir exercises
zoe@zoe-VirtualBox:~/exercises$ ls
Desktop  Downloads  Music  Public  Templates
Documents exercises  Pictures systems  Videos
zoe@zoe-VirtualBox:~/exercises$ cd exercises
zoe@zoe-VirtualBox:~/exercises$ mkdir programming
zoe@zoe-VirtualBox:~/exercises$ ls
programming
zoe@zoe-VirtualBox:~/exercises$
```

4° Go back to the user's home directory. Delete the directories "exercises" and "programming" using just one command. Create the directories again with one command.

```
zoe@zoe-VirtualBox:~/exercices$ ls
programming
zoe@zoe-VirtualBox:~/exercices$ /home/zoe
bash: /home/zoe: Is a directory
zoe@zoe-VirtualBox:~/exercices$ cd ../
zoe@zoe-VirtualBox:~$ rmdir exercieses
rmdir: failed to remove 'exercieses': Directory not empty
zoe@zoe-VirtualBox:~$ rm -rf exercieses
zoe@zoe-VirtualBox:~$ ls
Desktop  Downloads  Pictures  systems  Videos
Documents Music      Public    Templates
zoe@zoe-VirtualBox:~$
```

for return to /home i use cd, that use for enter and alone for return .

5° Print the contents of the root directory

```
zoe@zoe-VirtualBox:~$ ls /
bin  cdrom  etc  lib  lib64  lost+found  mnt  proc  run  snap  sys  usr
boot  dev  home  lib32  libx32  media  opt  root  sbin  srv  var

zoe@zoe-VirtualBox:~$ ls /home
lost+found  zoe

zoe@zoe-VirtualBox:~$ ls -ls /
total 76
0 lrwxrwxrwx 1 root root 7 nov 8 20:31 bin -> usr/bin
4 drwxr-xr-x 4 root root 4096 nov 8 20:50 boot
4 drwxrwxr-x 2 root root 4096 nov 8 20:36 cdrom
0 drwxr-xr-x 19 root root 4160 nov 10 17:29 dev
12 drwxr-xr-x 130 root root 12288 nov 8 20:55 etc
4 drwxr-xr-x 4 root root 4096 nov 8 20:38 home
0 lrwxrwxrwx 1 root root 7 nov 8 20:31 lib -> usr/lib
0 lrwxrwxrwx 1 root root 9 nov 8 20:31 lib32 -> usr/lib32
0 lrwxrwxrwx 1 root root 9 nov 8 20:31 lib64 -> usr/lib64
0 lrwxrwxrwx 1 root root 10 nov 8 20:31 libx32 -> usr/libx32
16 drwx----- 2 root root 16384 nov 8 20:30 lost+found
4 drwxr-xr-x 2 root root 4096 feb 9 2021 media
4 drwxr-xr-x 2 root root 4096 feb 9 2021 mnt
4 drwxr-xr-x 2 root root 4096 feb 9 2021 opt
0 dr-xr-xr-x 245 root root 0 nov 10 17:22 proc
4 drwx----- 4 root root 4096 nov 8 20:56 root
0 drwxr-xr-x 32 root root 840 nov 10 17:23 run
0 lrwxrwxrwx 1 root root 8 nov 8 20:31 sbin -> usr/sbin
4 drwxr-xr-x 9 root root 4096 nov 10 17:28 snap
4 drwxr-xr-x 2 root root 4096 feb 9 2021 srv
0 dr-xr-xr-x 13 root root 0 nov 10 17:22 sys
4 drwxrwxrwt 19 root root 4096 nov 10 17:32 var
```

linux use "ls" for print and root at code is "/" so i use "ls /" for printe all the contests of root

6° Print all the files and directories that begin with d in the /usr/bin directory

```
mformat
zoe@zoe-VirtualBox:~$ ls /usr/bin/d
ls: cannot access '/usr/bin/d': No such file or directory
zoe@zoe-VirtualBox:~$ ls /usr/bin/-d
ls: cannot access '/usr/bin/-d': No such file or directory
zoe@zoe-VirtualBox:~$ ls /usr/bin/d*
/usr/bin/dash
/usr/bin/date
/usr/bin/dbus-cleanup-sockets
/usr/bin/dbus-daemon
/usr/bin/dbus-launch
/usr/bin/dbus-monitor
/usr/bin/dbus-run-session
/usr/bin/dbus-send
/usr/bin/dbus-update-activation-environment
/usr/bin/dbus-uuidgen
/usr/bin/dc
/usr/bin/dconf
/usr/bin/dd
/usr/bin/ddstddecode
/usr/bin/deallocvt
/usr/bin/deallocaf
/usr/bin/debconf
/usr/bin/debconf-apt-progress
/usr/bin/debconf-communicate
/usr/bin/debconf-copydb
/usr/bin/debconf-escape
/usr/bin/debconf-set-selections
/usr/bin/debconf-show
/usr/bin/deb-systemd-helper
/usr/bin/deb-systemd-invoke
/usr/bin/deja-dup
/usr/bin/delpart
/usr/bin/delv
/usr/bin/desktop-file-edit
/usr/bin/desktop-file-install
/usr/bin/desktop-file-validate
/usr/bin/devdump
/usr/bin/df
/usr/bin/dfu-tool
/usr/bin/dh_bash-completion
/usr/bin/dh_installxmcatalogs
/usr/bin/dh_perl_openssl
/usr/bin/diff
/usr/bin/diff3
/usr/bin/dit
/usr/bin/dircolors
/usr/bin/dirmngr
/usr/bin/dirmngr-client
/usr/bin/dirname
/usr/bin/dirsplitt
/usr/bin/dmmsg
/usr/bin/dnsdomainname
/usr/bin/domainname
/usr/bin/do-release-upgrade
/usr/bin/dpkg
/usr/bin/dpkg-deb
/usr/bin/dpkg-divert
/usr/bin/dpkg-maintscript-helper
/usr/bin/dpkg-query
/usr/bin/dpkg-split
/usr/bin/dpkg-statoverride
/usr/bin/dpkg-trigger
/usr/bin/driverless
/usr/bin/du
/usr/bin/dumpkeys
/usr/bin/duplicity
/usr/bin/dvipdf
```

for can see only the contests start with a letter we use "letter*" so, i print with ls/usr/bin/d*

For look all the contests of a directory i use "ls *" and the name of the directory so the code that i use is: "ls * /etc"

The image shows a Linux desktop environment. On the left is a sidebar with icons for various applications: Firefox, Mail, Files, Home, Applications, Dash, and a search icon. The main window is a terminal titled "Terminal" with the prompt "zoe@zoe-VirtualBox: ~". The terminal displays a directory listing of files in the /usr/share/doc directory, showing files like cups, cupsfilters, dbus-1, dconf, debian_version, default, deluser.conf, depmod.d, dhcp, dictionaries-common, dpkg, e2scrub.conf, emacs, environment, environment.d, ethertypes, firefox, fonts, fprintd.conf, fstab, fuse.conf, excercises, programing, Music, Pictures, Public, systems, Templates, Videos, and zsh_command_not_found.

```

Activities
Terminal
nov 10 17:52
zoe@zoe-VirtualBox: ~

cups
cupsfilters
dbus-1
dconf
debian_version
default
deluser.conf
depmod.d
dhcp
dictionaries-common
dpkg
e2scrub.conf
emacs
environment
environment.d
ethertypes
firefox
fonts
fprintd.conf
fstab
fuse.conf

excercises:
programing

Music:

Pictures:

Public:

systems:

Templates:

Videos:
zoe@zoe-VirtualBox:~$

```

8° Create the empty files called student.txt, student1.txt, student2.txt, list, luggage and last in the directory named “systems”

```
zoe@zoe-VirtualBox:~/systems$ rmdir student2.txt
zoe@zoe-VirtualBox:~/systems$ touch student2.txt
zoe@zoe-VirtualBox:~/systems$ tree
.
└── student2.txt

0 directories, 1 file
zoe@zoe-VirtualBox:~/systems$ touch studen.txt student1.txt list
zoe@zoe-VirtualBox:~/systems$ tree
.
├── list
├── student1.txt
├── student2.txt
└── studen.txt

0 directories, 4 files
zoe@zoe-VirtualBox:~/systems$
```

To create a file I use the code touch it create a empty files.

9°,10° Print all the files that begin with “l” in the directory “systems”. Print all the files that end with “txt” in the directory “systems”.

```
zoe@zoe-VirtualBox:~/systems$ ls l*
list
zoe@zoe-VirtualBox:~/systems$ ls txt*
ls: cannot access 'txt*': No such file or directory
zoe@zoe-VirtualBox:~/systems$ ls -txt*
ls: invalid option -- '*'
Try 'ls --help' for more information.
zoe@zoe-VirtualBox:~/systems$ ls *txt
student1.txt student2.txt studen.txt
zoe@zoe-VirtualBox:~/systems$
```

like i explain at exercise 6 for see the contents start with specific letter we use the “*” to the last so for see the contents finish with a specific letter or letter i use the “*” at the start of the letter/letters

11°. Create a new directory into \$HOME called “config”

```
student1.txt student2.txt studen.txt
zoe@zoe-VirtualBox:~/systems$ cd
zoe@zoe-VirtualBox:~$ mkdir cofig
zoe@zoe-VirtualBox:~$ ls
cofig Desktop Documents Downloads excercises Music Pictures Public systems Templates Videos
zoe@zoe-VirtualBox:~$
```

12° Copy all the files in /etc which begin with “a” into “config”

```
mv: cannot remove '/etc/avahi/services': Permission denied
zoe@zoe-VirtualBox:~$ cp /etc/a* config
cp: -r not specified; omitting directory '/etc/acpi'
cp: -r not specified; omitting directory '/etc/alsa'
cp: -r not specified; omitting directory '/etc/alternatives'
cp: -r not specified; omitting directory '/etc/apm'
cp: -r not specified; omitting directory '/etc/apparmor'
cp: -r not specified; omitting directory '/etc/apparmor.d'
cp: -r not specified; omitting directory '/etc/appport'
cp: -r not specified; omitting directory '/etc/apt'
cp: -r not specified; omitting directory '/etc/avahi'
zoe@zoe-VirtualBox:~$
```

The code for doing that is a little bit of complicate. because i need to use cp (copy) lees the directory with the files that i want to change and the new directory for the files.

13° Delete all the files in “config” which end with “conf”

```
zoe@zoe-VirtualBox:~/config$ cd
zoe@zoe-VirtualBox:~$ cd confi
bash: cd: confi: No such file or directory
zoe@zoe-VirtualBox:~$ cd config
zoe@zoe-VirtualBox:~/config$ rm *conf
zoe@zoe-VirtualBox:~/config$ tree
.
├── acpi
├── asus-keyboard-backlight.sh
├── asus-wireless.sh
├── events
│   ├── asus-keyboard-backlight-down
│   ├── asus-keyboard-backlight-up
│   ├── asus-wireless-off
│   ├── asus-wireless-on
│   ├── ibm-wireless
│   ├── lenovo-undock
│   ├── thinkpad-cmos
│   └── tosh-wireless
└──
```

to delete the files i use the code “rm” i enter to the directory that i want to delete the files (cd config) and inside i use “rm *conf” (i use *conf for determinate that i only want to delete the files that finish at conf)