B. COPY, RENAME AND EDIT FILES

Create the following directory structure in /home//exercises

```
student@student-VirtualBox:~$ ls
config   Desktop   Documents   Downloads   Music   Pictures   Public   snap   systems   teachers   Templates   '<user>'   Videos
student@student-VirtualBox:~$ cd <user>
bash: syntax error near unexpected token `newline'
student@student-VirtualBox:~$ cd "<user>"
student@student-VirtualBox:~/<user>$ ls
exercises
student@student-VirtualBox:~/<user>$ cd exercises
student@student-VirtualBox:~/<user>/exercises$ mkdir -p Africa/Tunisia Africa/Egipt Asia/Laos Asia/Seul
student@student-VirtualBox:~/<user>/exercises$ tree
.
├── Africa
│   ├── Egipt
│   └── Tunisia
├── Asia
│   ├── Laos
│   └── Seul

6 directories, 0 files
student@student-VirtualBox:~/<user>/exercises$
```

14. Create the following files using nano (or another editor): song.doc (write a few lines of a song) in the directory Egypt; tv.doc (write the name of your favourite TV programs) in the directory Seul and marks (write the marks you expect to get this year) in the directory Tunisia.

Cat > Africa /Egipt/..   y después el texto. También se puede hacer así

touch song.doc

```
student@student-VirtualBox:~/<user>/exercises/Africa/Egipt$ touch song.doc
student@student-VirtualBox:~/<user>/exercises/Africa/Egipt$ ls
song.doc
student@student-VirtualBox:~/<user>/exercises/Africa/Egipt$ echo "we are the champions my friend.." >> song.doc
student@student-VirtualBox:~/<user>/exercises/Africa/Egipt$
```

touch tv.doc

```
student@student-VirtualBox:~/<user>/exercises/Asia/Seul$ touch tv.doc
student@student-VirtualBox:~/<user>/exercises/Asia/Seul$ echo "The last suvivor" >> tv.doc
student@student-VirtualBox:~/<user>/exercises/Asia/Seul$
```

touch 10mark.doc

```
                                                                    student@st
student@student-VirtualBox:~$ cd "<user>"/exercises/Africa/Tunisia
student@student-VirtualBox:~/<user>/exercises/Africa/Tunisia$ touch 10mark.doc
student@student-VirtualBox:~/<user>/exercises/Africa/Tunisia$
```

```
student@student-VirtualBox:~/<user>/exercises$ tree
.
├── Africa
│   ├── Egipt
│   │   └── song.doc
│   └── Tunisia
│       └── 10mark.doc
└── Asia
    ├── Laos
    └── Seul
        └── tv.doc

6 directories, 3 files
```

CHANGE THE CURRENT DIRECTORY TO AFRICA AND DO THE FOLLOWING EXERCISES USING RELATIVE PATHS

15. Copy the file "song.doc" into "Laos"

cp Egipt/sons.doc ../Asia/Laos

```
        └── tv.doc

6 directories, 3 files
student@student-VirtualBox:~/<user>/exercises$ cd Africa
student@student-VirtualBox:~/<user>/exercises/Africa$ cp Egipt/song.doc ../Asia/Laos
student@student-VirtualBox:~/<user>/exercises/Africa$ cp ../Asia/Seul/tv.doc Egipt/radio.txt
student@student-VirtualBox:~/<user>/exercises/Africa$
```

```
├── Africa
│   ├── Egipt
│   │   └── radio.txt
│   └── Tunisia
│       └── 10mark.doc
├── Asia
    ├── Laos
    │   └── song.doc
    └── Seul
        └── tv.doc
```

16. Copy the file "tv.doc" into "Egypt" with the name "radio.txt"

```
student@student-VirtualBox:~/<user>/exercises/Africa$ cp ../Asia/Seul/tv.doc Egipt/radio.txt
student@student-VirtualBox:~/<user>/exercises/Africa$ tree
.
├── Egipt
│   └── radio.txt
└── Tunisia
    └── 10mark.doc
```

17. Rename the file "marks" to "exam.wri" (it is located in the directory named Tunisia)

```
student@student-VirtualBox:~/<user>/exercises/Africa$ mv Tunisia/10mark.doc Tunisia/exam.wri
student@student-VirtualBox:~/<user>/exercises/Africa$ tree
.
├── Egipt
│   └── radio.txt
└── Tunisia
    └── exam.wri
```

18. Copy the file "song.doc" (located in "Egypt") inside "Tunisia"

Cp Egipt/song.doc Tunisia

```
student@student-VirtualBox:~/<user>/exercises/Africa$ cp Egipt/song.doc Tunisia
student@student-VirtualBox:~/<user>/exercises/Africa$ tree
.
├── Egipt
│   ├── radio.txt
│   └── song.doc
└── Tunisia
    ├── exam.wri
    └── song.doc
```

19. Print the content of the current directory using long listing format

ls -l

```
student@student-VirtualBox:~/<user>/exercises/Africa$ ls -l
total 8
drwxrwxr-x 2 student student 4096 nov 22 00:38 Egipt
drwxrwxr-x 2 student student 4096 nov 22 00:39 Tunisia
student@student-VirtualBox:~/<user>/exercises/Africa$
```

20. Rename the file "song.doc" (located in "Laos") to "aa.doc"

mv ../Asia/Laos/song.doc ../Asia/Laos/aa.doc

```
student@student-VirtualBox:~/<user>/exercises$ cd Africa
student@student-VirtualBox:~/<user>/exercises/Africa$ mv ../Asia/Laos/song.doc ../Asia/Laos/aa.doc
student@student-VirtualBox:~/<user>/exercises/Africa$ ls -l ../Asia/Laos
```

ls ../Asia/Laos

21. Create the directory "Others" in "Laos"

mkdir ../Asia/Laos/Others

```
-rw-rw-r-- 1 student student 33 nov 22 00:47 aa.doc
student@student-VirtualBox:~/<user>/exercises/Africa$ mkdir ../Asia/Laos/Others
student@student-VirtualBox:~/<user>/exercises/Africa$ 
```

22. Rename the directory named "programming" (which you created in the first exercises) to pro-c.

mv ../../Exercises/programming ../../Exercises/pro-c

23. Create the following directory tree in "exercises" (using as few commands as possible)

Mkdir -p ../one/two

Mkdir -p ../one/three

```
student@student-VirtualBox:~/<user>/exercises/Africa$ mkdir -p ../one/two && ../one/three
bash: ../one/three: No such file or directory
student@student-VirtualBox:~/<user>/exercises/Africa$ mkdir -p ../one/three
student@student-VirtualBox:~/<user>/exercises/Africa$ tree
```

24. Copy the files with txt extension from the directory named "systems" to "exercises".

cp ../../systems/*txt ..

```
student@student-VirtualBox:~/<user>/exercises/Africa$ cp ../../../systems/*txt ..
cp: -r not specified; omitting directory '../../../systems/student1.txt'
cp: -r not specified; omitting directory '../../../systems/student2.txt'
cp: -r not specified; omitting directory '../../../systems/student.txt'
```

25. Move the files you copied in the exercise above to the directory THREE.

```
student@student-VirtualBox:~/<user>/exercises/Africa$ mv ../*txt ../one/three
```

26. Delete the directory named THREE, including all the files and, if so, subdirectories

```
student@student-VirtualBox:~/<user>/exercises/Africa$ rm -rf ../one/three
student@student-VirtualBox:~/<user>/exercises/Africa$ 
```

CHANGE INTO SYSTEMS AND DO THE FOLLOWING EXERCISES USING ABSOLUTE PATHS

27. Copy the files that end with "txt" of the directory named "systems" to "Tunisia"

```
student@student-VirtualBox:~/systems$ cp *txt ../'<user>'/exercises/Africa/Tunisia
cp: -r not specified; omitting directory 'student1.txt'
cp: -r not specified; omitting directory 'student2.txt'
cp: -r not specified; omitting directory 'student.txt'
student@student-VirtualBox:~/systems$ 
```

28. Copy the file "tv.doc" (located in "Seul") to the directory named "exercises"

```
student@student-VirtualBox:~/systems$ cp ../'<user>'/exercises/Africa/Tunisia/song.doc ../'<user>'/exercises
student@student-VirtualBox:~/systems$ 
```

29. Rename the file student1.txt (located in "Tunisia") to tuition.txt

```
student@student-VirtualBox:~/systems$ mv ../'<user>'/exercises/Africa/Tunisia/exam.wri ../'<user>'/exercises/Africa/Tunisia/tuition.txt
student@student-VirtualBox:~/systems$
```

30. Create a new directory called "earth" into "systems". Create another directory called "countries" inside "earth"

```
student@student-VirtualBox:~/systems$ mkdir -p earth/countries
student@student-VirtualBox:~/systems$ tree
.
├── earth
    └── countries
```

31. Rename "Africa" (located in "exercises") to "Afri"

```
student@student-VirtualBox:~/systems$ mv ../'<user>'/exercises/Africa  ../'<user>'/exercises/Afri
student@student-VirtualBox:~/systems$
```

NOW YOU CAN BE PLACED IN THE DIRECTORY YOU WANT

32. Move the file "song.doc", which is located in Egypt, to "Laos" with the name "bb.doc"

```
student@student-VirtualBox:~/<user>/exercises/Afri$ mv Egipt/song.doc ../Asia/Laos
student@student-VirtualBox:~/<user>/exercises/Afri$
```

33. Copy the files whose name contains the letter "u" from "systems" to "exercises"

```
student@student-VirtualBox:~/systems$ cp -R /u* ../'<user>'/exercises
```

34. Print the content of the /etc directory, including subdirectories, in reverse alphabetical order

```
student@student-VirtualBox:/etc$ ls -r
zsh_command_not_found    thermald        sane.d          pm
xml                      terminfo        rygel.conf      pki
xdg                      systemd         rsyslog.d       perl
xattr.conf               sysctl.d        rsyslog.conf    pcmcia
X11                      sysctl.conf     rpc             passwd-
wpa_supplicant           sudoers.d       rmt             passwd
wgetrc                   sudoers         resolv.conf     papersize
vulkan                   subuid-         rcS.d           pam.d
vtrgb                    subuid          rc6.d           pam.conf
vmware-tools             subgid-         rc5.d           PackageKi
vim                      subgid          rc4.d           os-releas
usb_modeswitch.d         ssl             rc3.d           opt
```

35. How can you print the name of the current directory?

With the command pwd

```
student@student-VirtualBox:/etc$ pwd
/etc
student@student-VirtualBox:/etc$
```

36. Copy the folder "Afri" including files and subdirectories to "Asia"

cp -r Afri Asia desde exercises

37. Move all the files and subdirectories of "Laos" to "Seul" and rename it to "Seul2"

mv Asia/Laos Asia/Seul && mv Asia/seul Asia /Seul2 desde

mv Asia/Laos Asia/Seul && mv Asia/seul Asia /Seul2 desde