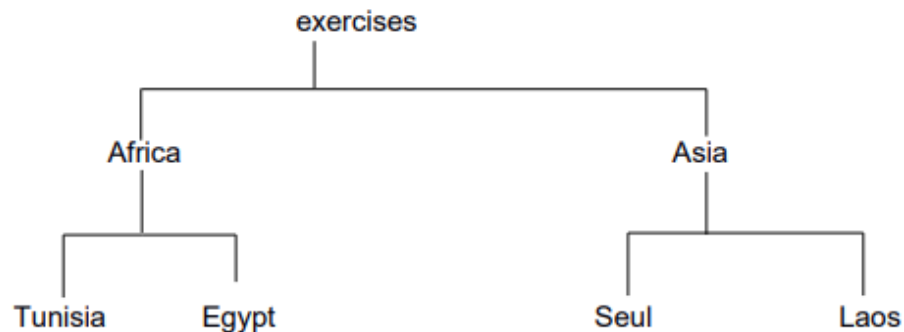


B. COPY, RENAME AND EDIT FILES

Create the following directory structure in /home/<user>/exercises



```
mkdir exercises
cd exercises
mkdir Africa
mkdir Asia
cd Africa
mkdir Tunisia
mkdir Egypt
cd Asia
mkdir Seul
mkdir Laos
ls -R
```

other way mkdir exercises/Africa exercises/Asia

mkdir -p exercises/Africa/Tunisia

```
y
shovashrestha@shovashrestha-VirtualBox:~$ sudo mkdir exercises
shovashrestha@shovashrestha-VirtualBox:~$ ls
Desktop  Downloads  IdeaProjects  Pictures  snap        Videos
Documents exercises  Music         Public   Templates
shovashrestha@shovashrestha-VirtualBox:~$ cd exercises
shovashrestha@shovashrestha-VirtualBox:~/exercises$ mkdir Africa/Asia
mkdir: cannot create directory 'Africa/Asia': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises$ mkdir Africa
mkdir: cannot create directory 'Africa': Permission denied
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Africa
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Asia
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa  Asia
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir /Africa/Tunisia
mkdir: cannot create directory '/Africa/Tunisia': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Africa/Tunisia
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa  Asia
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Africa/Egypt
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Asia/Seul
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir Asia/Laos
```

```
5 ./exercises:
Africa Asia

./exercises/Africa:
Egypt Tunisia

./exercises/Africa/Egypt:

./exercises/Africa/Tunisia:

./exercises/Asia:
Laos Seul

./exercises/Asia/Laos:

./exercises/Asia/Seul:
```

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.

```
cd Egypt
nano song.doc
you said you love me
cd Seul
nano tv.doc
cd Tunisia
nano marks
computer science 10
```

```
cat > Asia/Seul/tv.doc
```

```
ash: Africa/Egypt/song.doc: Permission denied
hovashrestha@shovashrestha-VirtualBox:~/exercises$ cd /Africa/Egypt
ash: cd: /Africa/Egypt: No such file or directory
hovashrestha@shovashrestha-VirtualBox:~/exercises$ cd Africa/Egypt
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$ ls
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$ nano song.doc
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$ sudo nano song.doc
[sudo] password for shovashrestha:
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$ ls
song.doc
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Egypt$ cd ../../Asia
hovashrestha@shovashrestha-VirtualBox:~/exercises/Asia$ ls
Laos Seul
hovashrestha@shovashrestha-VirtualBox:~/exercises/Asia$ cd Seul
hovashrestha@shovashrestha-VirtualBox:~/exercises/Asia/Seul$ sudo nano tv.doc
hovashrestha@shovashrestha-VirtualBox:~/exercises/Asia/Seul$ cd ../../Africa/Tunisia
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Tunisia$ sudo nano marks
hovashrestha@shovashrestha-VirtualBox:~/exercises/Africa/Tunisia$
```



```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo mv Tunisia/marks Tunisia/exam.wri
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls Tunisia
exam.wri
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$
```

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

cd Egypt

cp song.doc Tunisia

cp Egypt/song.doc Tunisia

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo cp Egypt/song.doc Tunisia
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls Tunisia
exam.wri  song.doc
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$
```

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

ls -l

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls -l
total 8
drwxr-xr-x 2 root root 4096 nov 18 20:21 Egypt
drwxr-xr-x 2 root root 4096 nov 18 20:29 Tunisia
```

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

cd Laos

mv song.doc aa.doc

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

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo mv ../Asia/Laos/song.doc ../Asia/Laos/aa.doc
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls Laos
ls: cannot access 'Laos': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls ../Asia/Laos
aa.doc
```

21. Create the directory “Others” in “Laos”

cd Laos

mkdir ../Asia/Laos/Others

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo mkdir ../Asia/Laos/Others
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls ../Asia/Laos
aa.doc  Others
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$
```

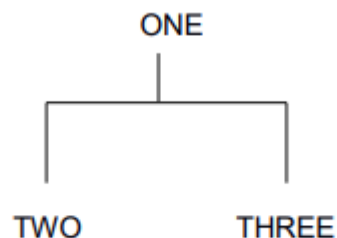
22. Rename the directory named “programming” (which you created in the first exercises) to pro-c.

mv programming pro-c

mv ../programming ../pro-c

```
shovashrestha@shovashrestha-VirtualBox:~$ cd exercises
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir programming
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa Asia programming
shovashrestha@shovashrestha-VirtualBox:~/exercises$ cd Africa
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo mv ../Programming ../pro-c
mv: cannot stat '../Programming': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo mv ../programming ../pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls
Egypt Tunisia
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls /exercises
ls: cannot access '/exercises': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls exercises
ls: cannot access 'exercises': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ ls ../exercises
ls: cannot access '../exercises': No such file or directory
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ cd ..
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa Asia pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises$
```

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



```
cd exercises
mkdir one/two
mkdir one/two/three
```

```
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir one
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir one/two
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mkdir one/two/three
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa Asia one pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls one
three two
shovashrestha@shovashrestha-VirtualBox:~/exercises$
```

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

```
cp systems/*.txt exercises
cp ../../systems/*.txt ..
```

```
shovashrestha@shovashrestha-VirtualBox:~/exercises$ cd ..
shovashrestha@shovashrestha-VirtualBox:~$ sudo mkdir systems
shovashrestha@shovashrestha-VirtualBox:~$ cd systems
shovashrestha@shovashrestha-VirtualBox:~/systems$ sudo nano pepe.txt jajaj.txt alks.txt
shovashrestha@shovashrestha-VirtualBox:~/systems$ ls
alks.txt jajaj.txt pepe.txt
shovashrestha@shovashrestha-VirtualBox:~/systems$
```

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ cp ../../systems/*txt ..
cp: cannot create regular file '../alks.txt': Permission denied
cp: cannot create regular file '../jajaj.txt': Permission denied
cp: cannot create regular file '../pepe.txt': Permission denied
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ sudo cp ../../systems/*txt ..
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ cd ..
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa alks.txt Asia jajaj.txt one pepe.txt pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises$
```

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

```
mv *txt one/three
```

```
mv ../*txt ../one/three
```

```
shovashrestha@shovashrestha-VirtualBox:~/exercises/Africa$ cd ..
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa alks.txt Asia jajaj.txt one pepe.txt pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises$ sudo mv *txt one/three
shovashrestha@shovashrestha-VirtualBox:~/exercises$ cd one
shovashrestha@shovashrestha-VirtualBox:~/exercises/one$ ls
three two
shovashrestha@shovashrestha-VirtualBox:~/exercises/one$ cd three
shovashrestha@shovashrestha-VirtualBox:~/exercises/one/three$
shovashrestha@shovashrestha-VirtualBox:~/exercises/one/three$ ls
alks.txt jajaj.txt pepe.txt
shovashrestha@shovashrestha-VirtualBox:~/exercises/one/three$
```

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

```
rm -rf ../one/three
```

```
shovashrestha@shovashrestha-VirtualBox:~$ ls
Desktop Downloads IdeaProjects Pictures snap Templates
Documents exercises Music Public systems Videos
shovashrestha@shovashrestha-VirtualBox:~$ cd exercises
shovashrestha@shovashrestha-VirtualBox:~/exercises$ ls
Africa Asia one pro-c
shovashrestha@shovashrestha-VirtualBox:~/exercises$ rm -rf ../one/three
shovashrestha@shovashrestha-VirtualBox:~/exercises$ cd one
shovashrestha@shovashrestha-VirtualBox:~/exercises/one$ ls
three two
shovashrestha@shovashrestha-VirtualBox:~/exercises/one$
```

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”

```
cp $home/student/systems/*txt Tunisia
```

```
cp systems/*txt exercises/Africa/Tunisia
```

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

```
cp /Seul/tv.doc exercises
```

```
cp exercises/Asia/Seul/tv.doc exercises
```


29. Rename the file student1.txt (located in "Tunisia") to tuition.txt
mv \$HOME/Tunisia/student1.txt tuition.txt

mv Africa/Tunisia/student1.txt Africa/Tunisia/tuition.txt

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

cd systems

mkdir -p systems/earth/countries

-p para crear todos los directorios que quiera

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

mv \$HOME/exercises/Africa Afri

mv exercises/Africa exercises

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" desde exercises

mv Afri/Egypt/song.doc Asia/Laos/dd.doc

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

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

cd \$home

ls -rR /etc

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

pwd

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

cp -R exercises/Africa exercises/Asia

-R para copiar los directorios y subdirectorios y los ficheros de dentro

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

cd \$HOME/exercises/Asia

mv -R Laos Seul/Seul2