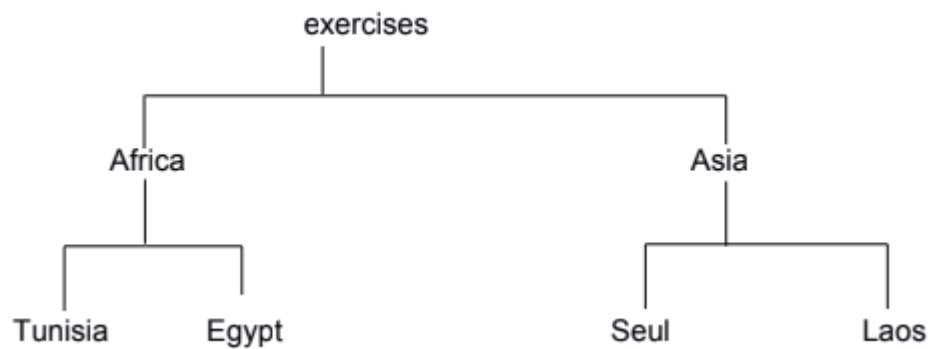First we will create the following scheme of directories.

To do this, we will need to type in the terminal the following commands:

```
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/user/exercises
mkdir: cannot create directory '/home/user/exercises': No such file or director
y
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises
mkdir: cannot create directory '/home/ignacio/exercises': File exists
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Africa
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Asia
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Africa/Tun
isia
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Africa/Egy
pt
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Asia/Seul
root@ignacio-VirtualBox:/home/ignacio# mkdir /home/ignacio/exercises/Asia/Laos
root@ignacio-VirtualBox:/home/ignacio#
```

Keep in mind the absolute path may vary depending on the system/user you are using.

14. In order for us to save files in directories via nano we need to type the absolute path when we write out the document. Here are some examples:

15. To copy from one directory to another, we are going to need to type the "**cp**" command.

```
root@ignacio-VirtualBox:/home/ignacio# cd /home/ignacio/exercises/Africa
root@ignacio-VirtualBox:/home/ignacio/exercises/Africa# cp Egypt/song.doc ../As
ia/laos
root@ignacio-VirtualBox:/home/ignacio/exercises/Africa#
```

16. By typing the following command, we will copy the selected file with another name, In this case we selected

```
root@ignacio-VirtualBox:/home/ignacio/exercises# cp ../Asia/Seul/tv.doc Egypt/r
adio.txt
```

17. By typing the "**mv**" command, we will rename the file selected.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mv /home/ignacio/exercises/Afr
ica/Tunisia/marks /home/ignacio/exercises/Africa/Tunisia/exam.wri
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

18. By typing the **cp** command and the path needed, we will be able to copy the file from one directory to another.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# cp /home/ignacio/exercises/Afr
ica/Egypt/song.doc /home/ignacio/exercises/Africa/Tunisia
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

19. By using **ls -l** we will print a directory in long listing format.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# ls -l
total 12
drwxr-xr-x 4 root    root    4096 nov 18 18:06 Africa
drwxr-xr-x 4 root    root    4096 nov 19 17:31 Asia
drwxrwxr-x 2 ignacio ignacio 4096 nov 10 18:34 programming
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

20. By using the following command we will be able to copy changing the name of the file.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mv /home/ignacio/exercises/Asi
a/Laos/song.doc /home/ignacio/exercises/Asia/Laos/aa.doc
```

21. By typing the mkdir and the absolute path we will be able to create a new folder.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mkdir /home/ignacio/exercises/
Asia/Laos/Others
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

22. By using the **mv** command we will be able to change the directory's name to "pro-c".

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mv /home/ignacio/exercises/pro
gramming /home/ignacio/exercises/pro-c
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

23. By using the **semicolon** we will be able to insert two commands in a single line of command.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mkdir -p ../ONE/TWO; mkdir -p
../ONE/THREE
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

24. By using the ***txt ..** parameter we will be able to copy all the files with the "txt" extension.

```
root@ignacio-VirtualBox:/home/ignacio# cp /home/ignacio/systems/*txt ..
root@ignacio-VirtualBox:/home/ignacio#
```

25. By using the asterisk we will get the same result as the previous exercise. However in this case we are moving the files, not copying them.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# mv /home/ignacio/systems/*txt
/home/ignacio/exercises/ONE/THREE
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

26. By using the **rm -rf** command we will be able to delete the THREE directory as well as the files inside it.

```
root@ignacio-VirtualBox:/home/ignacio/exercises# rm -rf /home/ignacio/exercises
/ONE/THREE
root@ignacio-VirtualBox:/home/ignacio/exercises#
```

27. By using the **cp** command we will be able to copy all the files that end with txt to the other directory.

```
root@ignacio-VirtualBox:/home/ignacio/systems# cp /home/ignacio/exercises/syste
ms/*txt /home/ignacio/exercises/Africa/Tunisia
```

28. By using the **cp (path)/(file) (path)** command we will be able to copy a file from one directory to another.

```
root@ignacio-VirtualBox:~# cp /home/ignacio/exercises/Asia/Seul/tv.doc /home/ig
nacio/exercises
root@ignacio-VirtualBox:~#
```

29. By using the **mv** command we will be able to change the name of the file.

```
root@ignacio-VirtualBox:~# mv /home/ignacio/exercises/Africa/Tunisia/student1.t
xt /home/ignacio/exercises/Africa/Tunisia/tuition.txt
```

30. By using the **mkdir** command we will be able to create new directories. In the following image we will be creating the directories earth and countries.

```
root@ignacio-VirtualBox:~# mkdir /home/ignacio/systems/earth
root@ignacio-VirtualBox:~# mkdir /home/ignacio/systems/earth/countries
root@ignacio-VirtualBox:~#
```

31. By using the following command we will change the name of the Africa directory to Afri.

```
root@ignacio-VirtualBox:~# mv /home/ignacio/exercises/Africa /home/ignacio/exer
cises/Afri
root@ignacio-VirtualBox:~#
```

32. Again, by using the mv command we will be able to change the song.doc location as well as the name of the file.

```
root@ignacio-VirtualBox:~# mv /home/ignacio/exercises/Africa/Egypt/song.doc /ho
me/ignacio/exercises/Asia/Laos/bb.doc
```