**ACTIVITIES UD8**

1. **Exercise 1**

Convert the following octal permissions to alpha/symbolic notation:

* 664 🡪 u=rw, g=rw, o=r
* 700 🡪 u=rwx, g= -, o= -
* 771 🡪 u=rwx, g=rwx, o= x
* 502 🡪 u=rx, g= -, o=x
* 000 🡪 u= -, g= -, o= -
* 640 🡪 u=rw, g=r, o= -

Convert the following alpha/symbolic permissions to octal notation:

* u=rwx,g=w,o=r 🡪 724
* u=rw,g=rw,o=- 🡪 660
* u=r,go=- 🡪 400
* a=rw 🡪 666
* ug=rw,o=r 🡪 664
* uo=rw,g=r 🡪 646

1. **Exercise 2**

Explain how you can achieve this in Linux:

* Create an user called "Pepito",

“sudo adduser Pepito”

* Create a group called "Grillo",

“sudo groupadd Grillo”

* Assign user Pepito to Grillo group

“sudo adduser Pepito Grillo”

* Modify current Pepito UID to 3000

“sudo usermod -u 3000 Pepito”

* Modify current Grillo GID to 3001

“sudo groupmod -g 3001 Grillo”

* Display current user and group configuration after the update on previous points 4 and 5.

“id Pepito”

For more details: “cat /etc/passwd”

For more details: “cat /etc/group”

1. **Exercise 3**

**If a user has read permissions on a file but that file is placed inside a folder where he has read credentials but not executable ones, Can the user finally read the file? Please write a full disclose argument on the results you have check on your computer and the reason why this is actually happening.**

No, the user won’t read the file. The executable permission on directories allows a user to access the directory. If the user does not have executable permission on the directory, the user won’t be able to access the directory, so the command “ls” won’t work and the user won’t be able to read the file inside the directory.

1. **Exercise 4**

**If a user has reading permissions on a file but that file is in a folder where the user only has executable permissions, Will the user finally read the file? Please write a full disclose argument on the results you have check on your computer and the reason why this is actually happening.**

No, the user won’t read the file. The user will be able to access the folder, but since he does not have “read” permission, he won’t be able to read the contents of the folder. This means that the “ls” command won’t work, so they user won’t be able to access the file and read it.