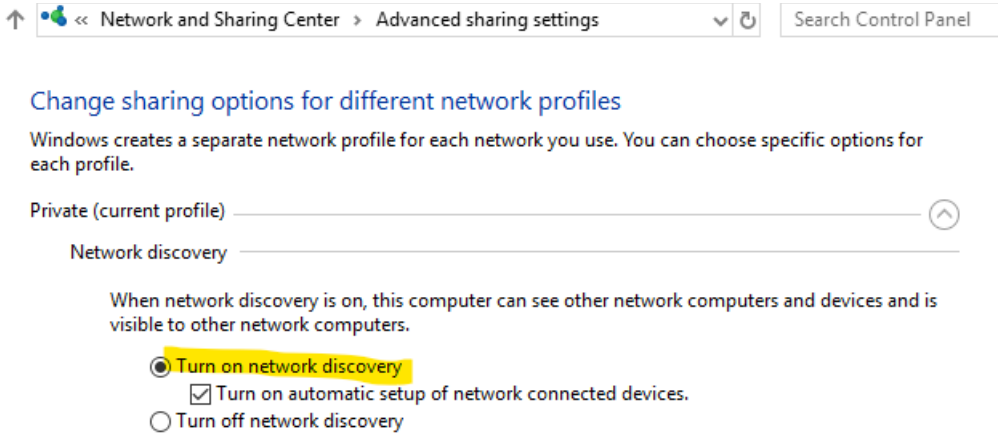
EXERCISE 1

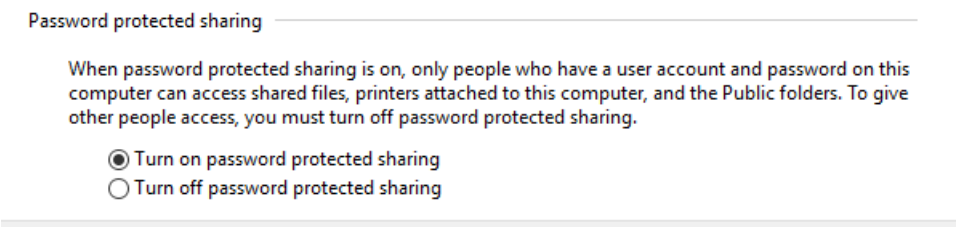
Suppose we have a computer that contains a folder called “tutorials” with “Full control” permissions for the standard users. We want to share the folder with “Read-only” permissions. It is necessary for the other computers’ users to log in with a password.

Explain the steps needed to complete the process and the permissions we must grant in order to access the “tutorials” folder through the network. Specify the address to access the folder from the computers.

- Firstly, I have to access to Control Panel > Network and Internet > Network and Sharing center > Advanced Sharing settings. Then, turn on “Network discovery”.



- Next, I have to enable the “Password-protected service” from the tab “All networks” in order to deny access to those that do not have a password.

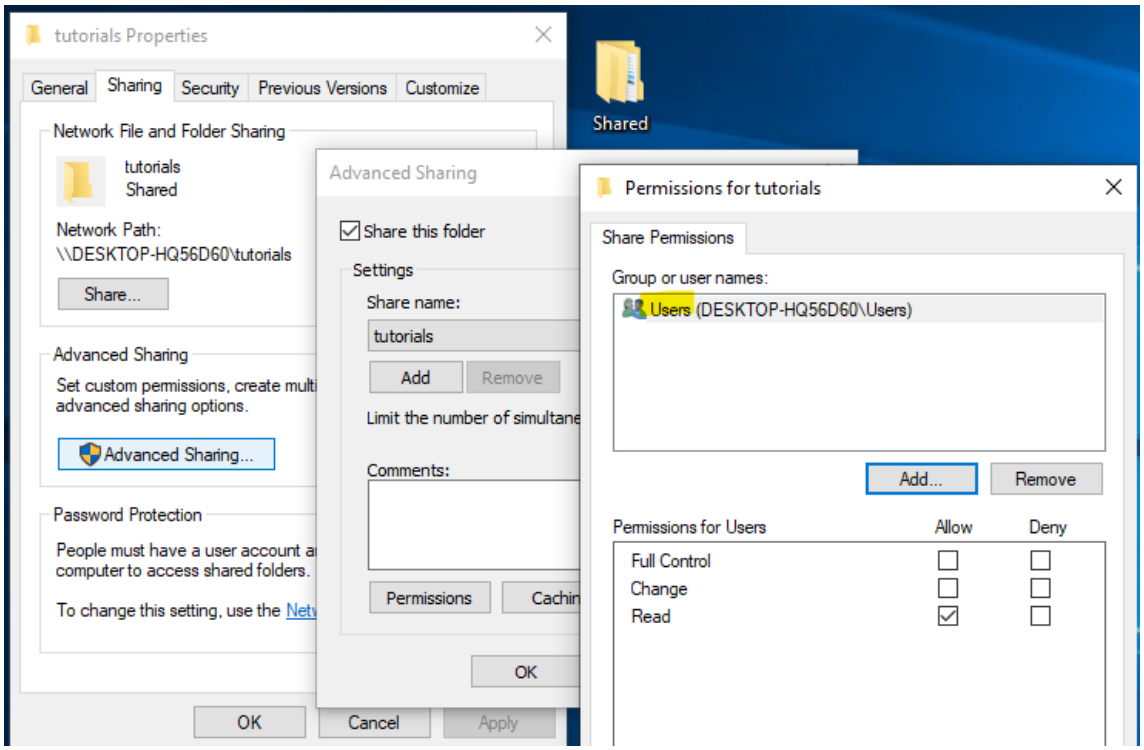


- The Full Control local permissions for “Users” are irrelevant.

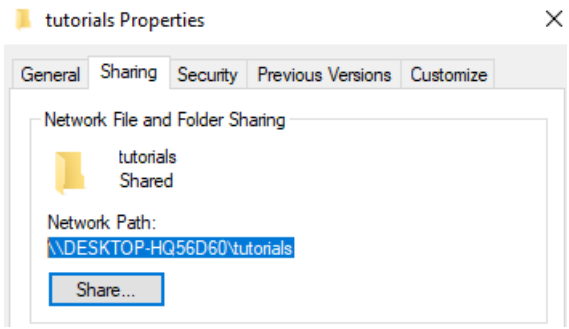
Permission entries:

Type	Principal	Access	Inherited from	Applies to
Allow	SYSTEM	Full control	C:\Users\Atenea\	This folder, subfolders and files
Allow	Administrators (DESKTOP-HQ...	Full control	C:\Users\Atenea\	This folder, subfolders and files
Allow	Atenea (DESKTOP-HQ56D60\...	Full control	C:\Users\Atenea\	This folder, subfolders and files

- The folder must be in read-only mode. As a result, when the folder is shared, the permissions will be “Read”. “Users” is going to be added and configured with only “Read” permissions. I have choose “Users” to only allow the users that are added to this group, not “Everyone”.



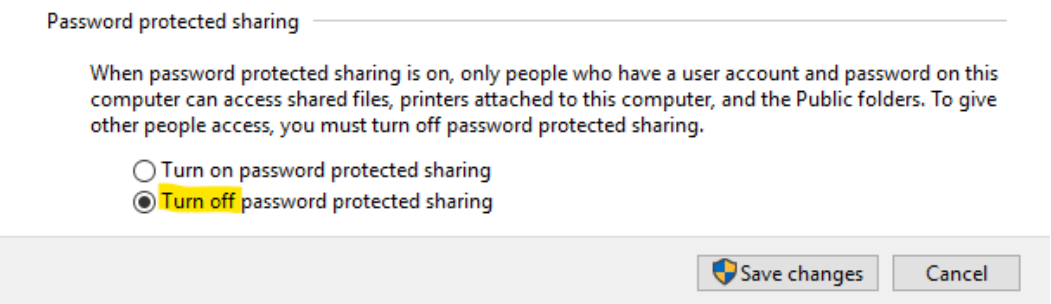
- The address or network path will be \\DESKTOP-HQ56D60\tutorials:



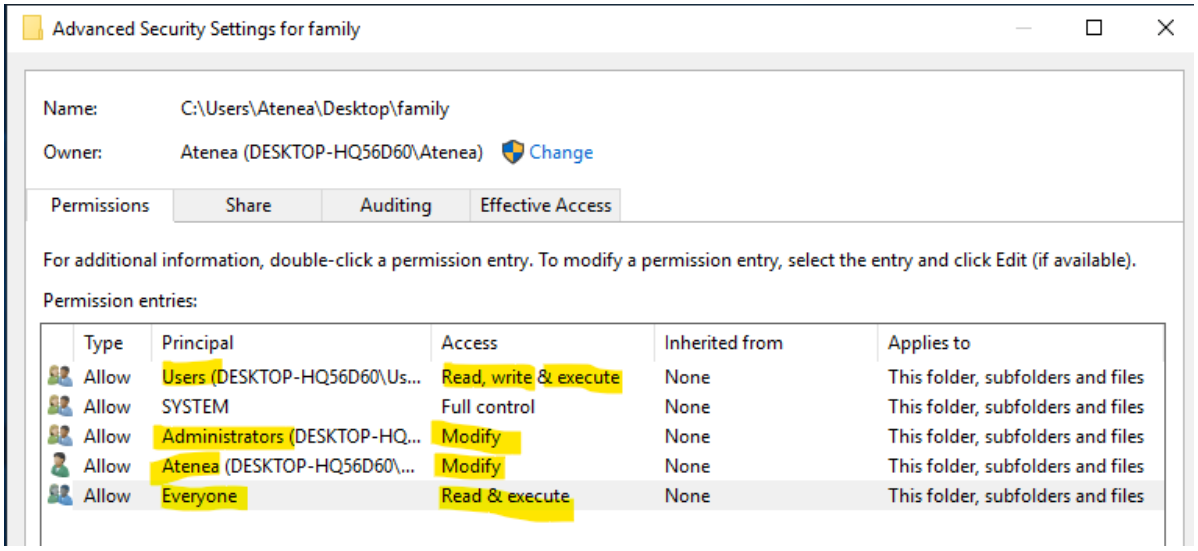
EXERCISE 2

Suppose we have a computer that contains a folder called “family” in which the standard users can create files, but only administrators can delete them. We want to share the folder with “Full control” permissions for standard users and administrators (or the maximum level of permissions that we are able to assign).

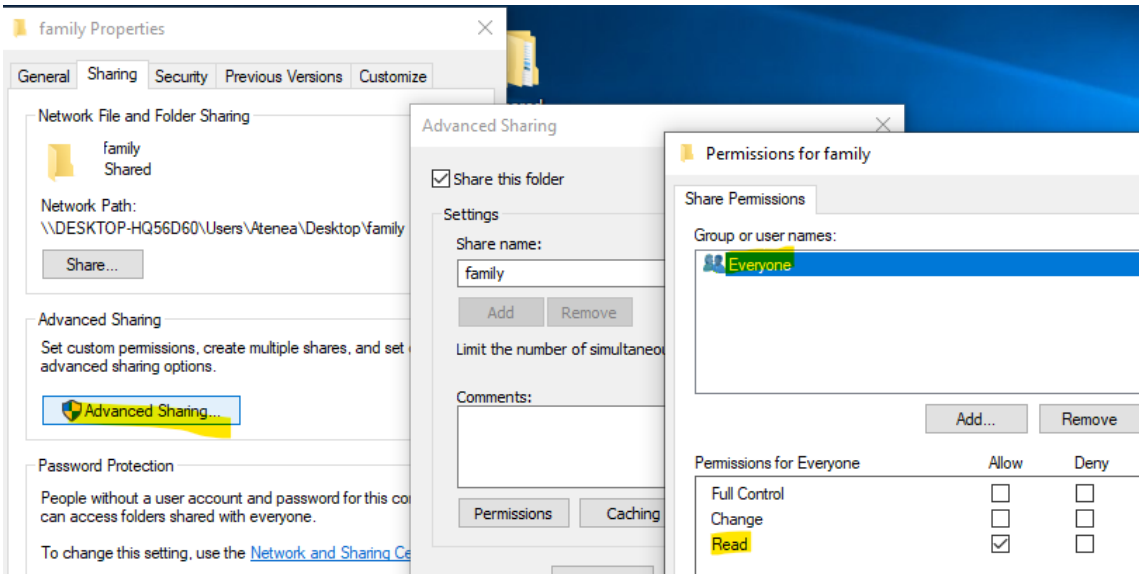
- From Control Panel > Network and Sharing Center > Advanced sharing settings, I need to uncheck the “Password-protected sharing” to access the folder without a user.



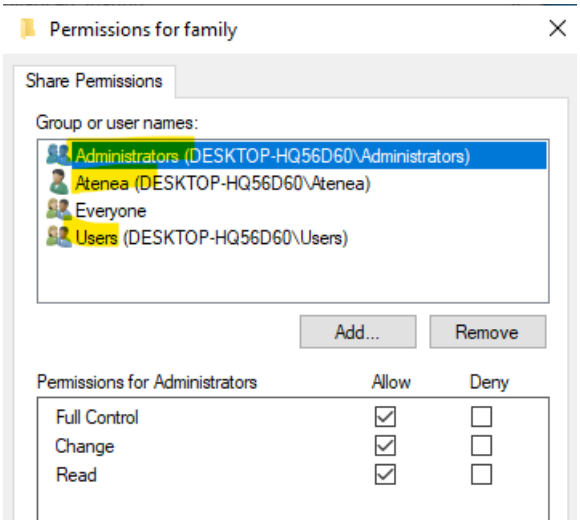
- First. The local permissions for “Users” are “Write” and “Read & execute”, for “Administrators” are “Modify”. “Everyone” will have the permissions of “Read & Execute”. I also need “Modify” local permissions for specific administrator users, otherwise it will not work (“Administrators” are not permitted in the network for safety reasons). This way, I add the “Modify” permission for my administrator user called “Atenea”.
- I also need to add the “Read” local permission for “Everyone” in the “Security” tab. Otherwise, the users without account will not be able to access the folder. The permissions table will be disposed as follows:



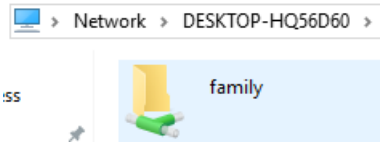
- When sharing, from the “Advanced sharing”, I must add the user “Everyone” with “Read” permissions (the default option):



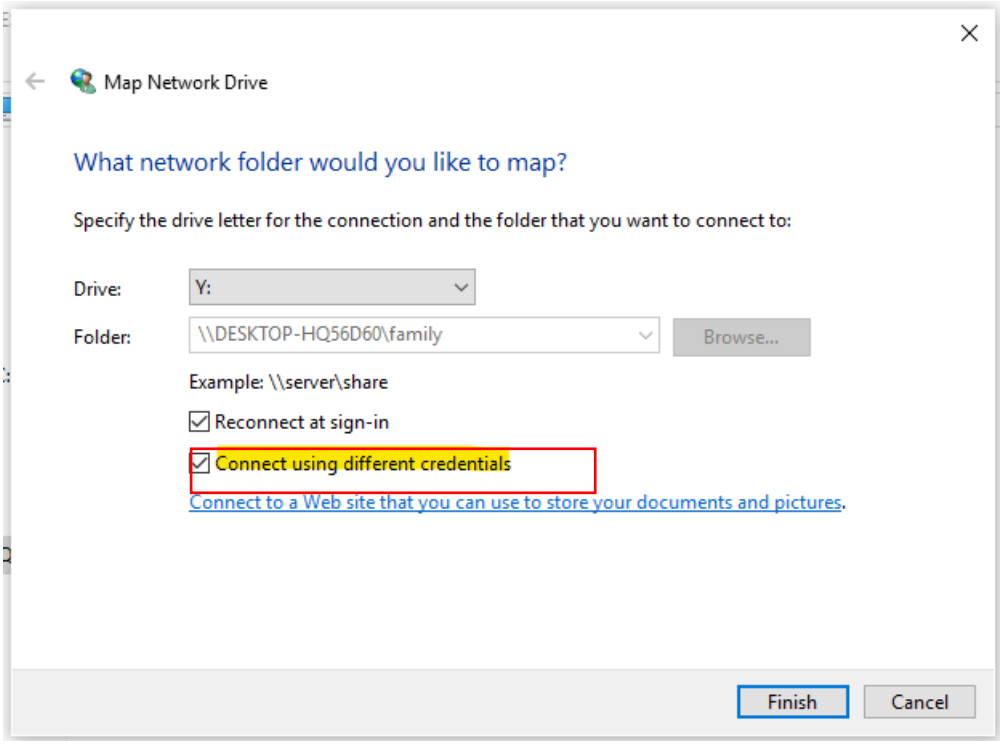
- In addition, I must also add the groups “Users” and “Administrators” with “Full Control”. Anyway, this permission cannot be applied because the local permissions are more restrictive. This time, having “Full Control” for “Users” means that all the specific “Administrators” will be able to access through the network, because all the “Administrator” users implicitly belong to “Users”. It’s going to be added the specific administrator user called “Atenea”, but it would not be necessary because it takes permissions from “Users”.
- In summary, Users, Administrators and Atenea will have “Full Control” in the network:



- Then, when accessing the folder directly from the “Explorer”, the system doesn’t require a password because it takes by default the permissions for “Everyone”.



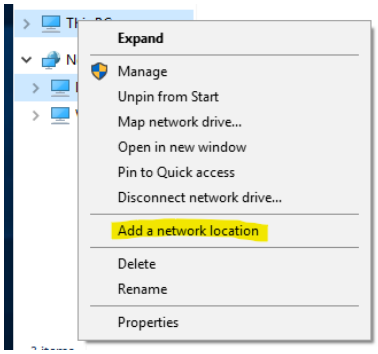
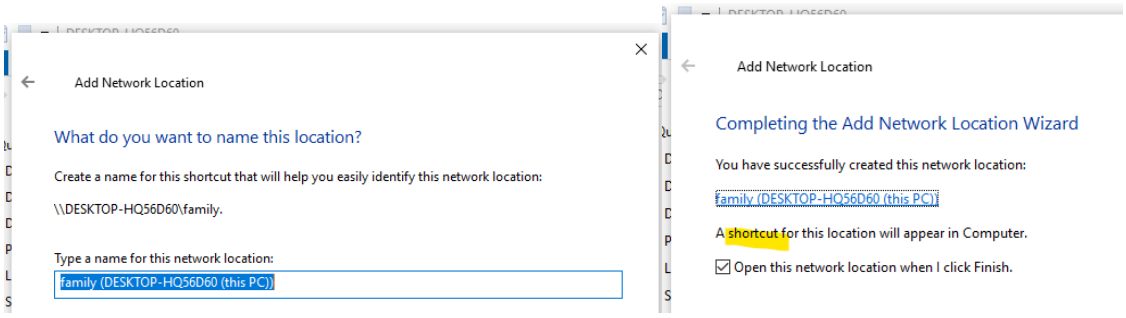
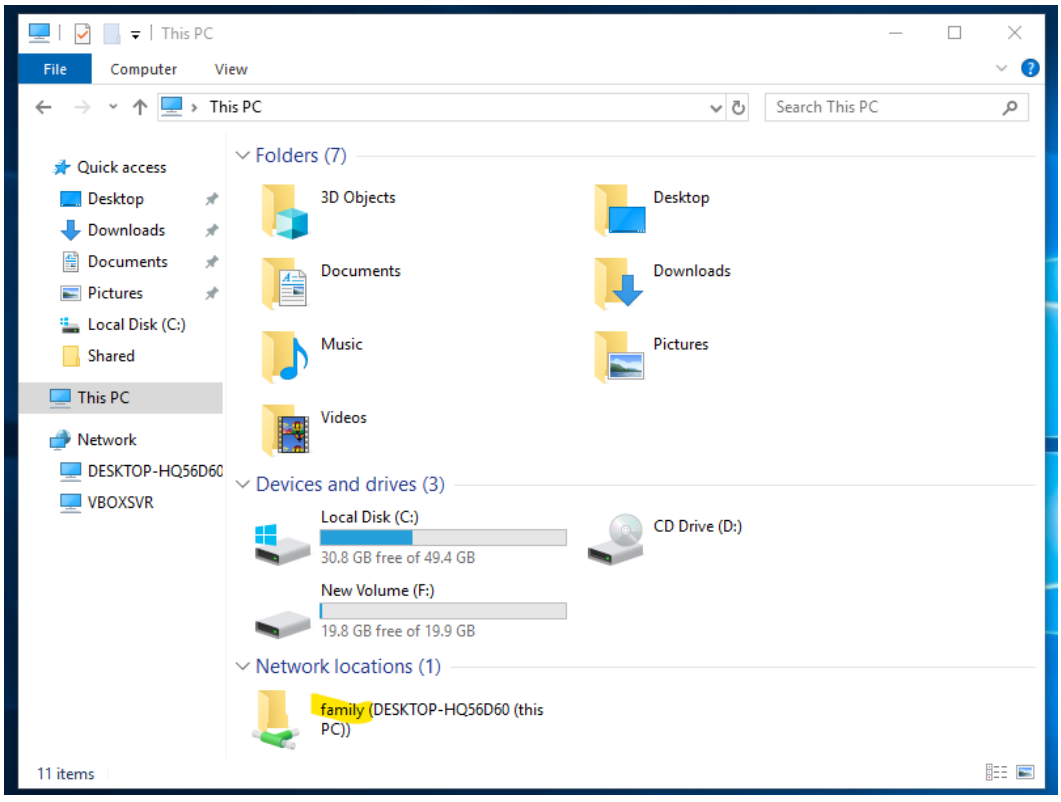
- The only way to access with different credentials is to “Map a network” drive, like in exercise 3 “Connecting with different credentials”:


Map Network Drive
What network folder would you like to map?
Specify the drive letter for the connection and the folder that you want to connect to:
Drive:
Y:
Folder:
\\DESKTOP-HQ56D60\family
Browse...
Example: \\server\share
Reconnect at sign-in
Connect using different credentials
Connect to a Web site that you can use to store your documents and pictures.
Finish
Cancel

EXERCISE 3

Create a shortcut for the folder “family” from “Exercise 2” using all the methods you know.

- First, I have to add the network location from This PC (right click) > Add a network location:



- Then, I select the address and copy it. This would be necessary in order to create the shortcut, because it will be required during the *Ad Network Location Wizard*: