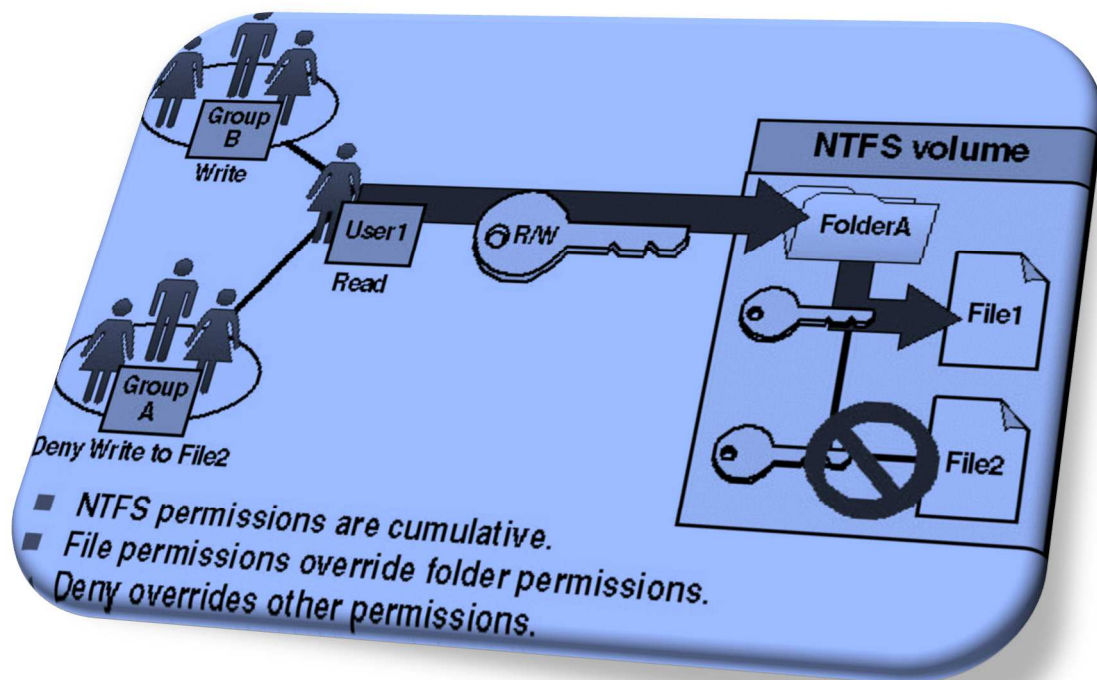


NTFS PERMISSIONS



Fill in the following folder and file permissions tables based on the following criteria:

1. There are two groups: **disney** whose members are **pluto, mickey y goofy**; **hanna** whose members are **fred y scooby**.
2. Only the group **hanna** can access the folder **barbera** to create, write and delete files. Disney group cannot enter into this folder.
3. The users of **disney** can create and write files in the folder **paris**, but they cannot delete them. The users of **hanna** can only read the files of this folder.
4. There is a file called **flinstones.doc** in the folder **barbera**. The user **scooby** cannot open this file.
5. The users **mickey** and **fred** are able to copy files in the folder **movies**. The other users can only read files in this folder.
6. Do not delete Administrator permissions. They will always have "Full Control" over all the resources.

Complete this exercise considering that all the folders are at the same level.

Permission table

barbera

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
hanna (explicit)		X	X	X	X					

paris

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
disney (explicit)			X	X	X					
hanna (explicit)			X	X						

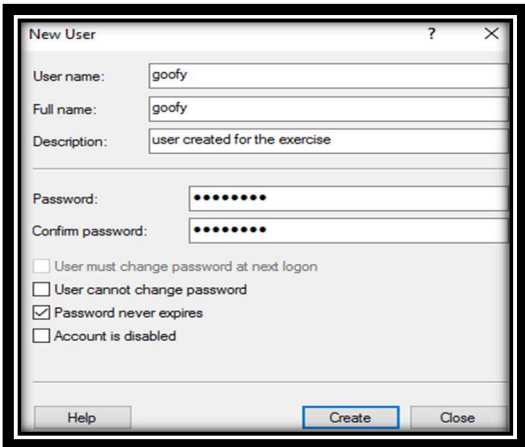
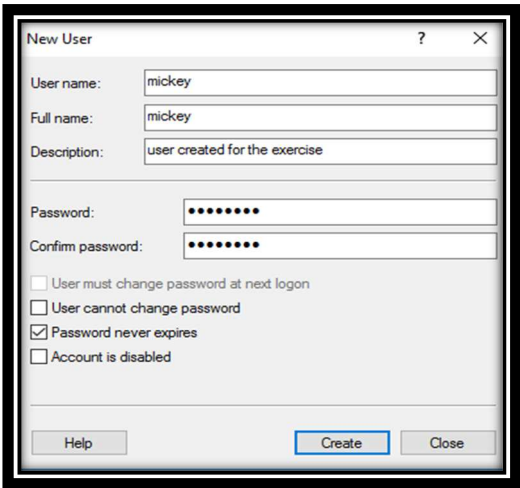
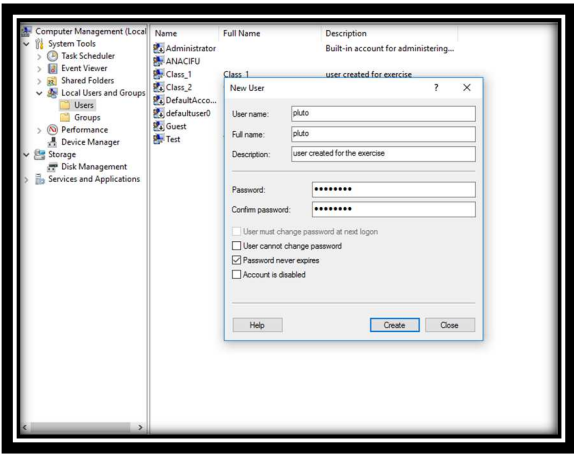
flinstones.doc

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
hanna (inherited)		X	X	X	X					
scooby (explicit)								X	X	

movies

	Allow					Deny				
User/Group	Full Control	Modify	Read & Execute	Read	Write	Full Control	Modify	Read & Execute	Read	Write
disney (explicit)			X	X						
hanna (explicit)			X	X						
mickey (explicit)			X	X	X					
fred (explicit)			X	X	X					

First, we are going to create five users from **Computer Management->Local users and groups->users**.



The 'New User' dialog box shows the creation of a user named 'fred'. The fields are filled with 'fred' for both User name and Full name, and 'user created for the exercise' for the Description. Password fields are masked with dots. The 'Password never expires' checkbox is checked.

User name:	fred
Full name:	fred
Description:	user created for the exercise
Password:	••••••••
Confirm password:	••••••••
<input type="checkbox"/> User must change password at next logon <input type="checkbox"/> User cannot change password <input checked="" type="checkbox"/> Password never expires <input type="checkbox"/> Account is disabled	
Help	Create
Close	

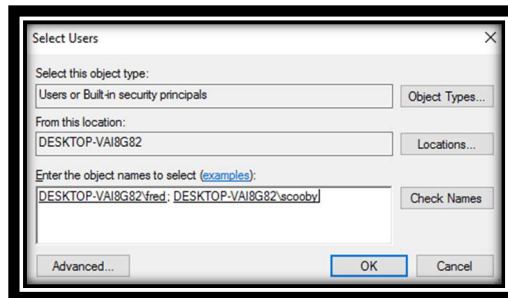
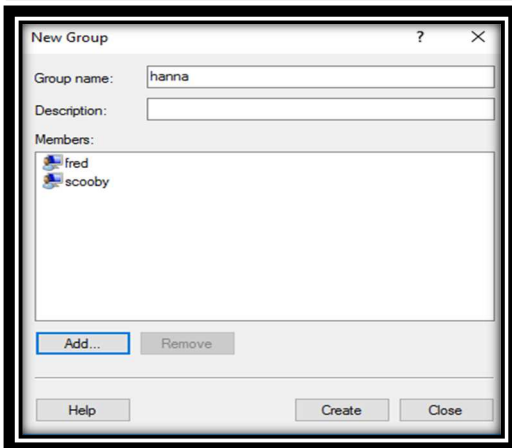
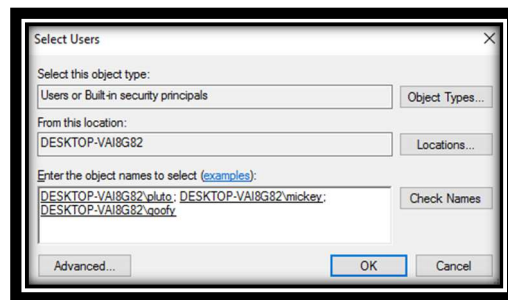
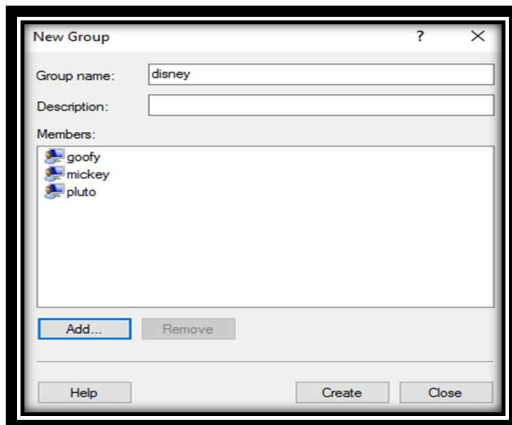
The 'New User' dialog box shows the creation of a user named 'scooby'. The fields are filled with 'scooby' for both User name and Full name, and 'user created for the exercise' for the Description. Password fields are masked with dots. The 'Password never expires' checkbox is checked.

User name:	scooby
Full name:	scooby
Description:	user created for the exercise
Password:	••••••••
Confirm password:	••••~•~•~•
<input type="checkbox"/> User must change password at next logon <input type="checkbox"/> User cannot change password <input checked="" type="checkbox"/> Password never expires <input type="checkbox"/> Account is disabled	
Help	Create
Close	

A window displaying a list of users in a table format. The columns are Name, Full Name, and Description. The list includes built-in accounts like Administrator, ANACIFU, Guest, and Test, as well as exercise-created users like fred, goofy, mickey, pluto, and scooby. Class_1 and Class_2 are also listed.

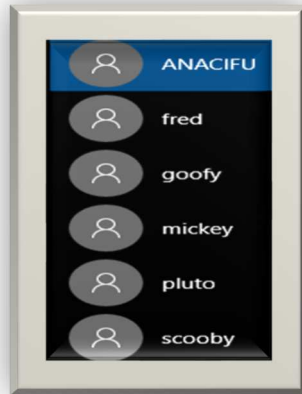
Name	Full Name	Description
Administrator		Built-in account for administering...
ANACIFU		
Class_1	Class_1	user created for exercise
Class_2	Class_2	user created for exercise
DefaultAcco...		A user account managed by the s...
defaultuser0		
fred	fred	user created for the exercise
goofy	goofy	user created for the exercise
Guest		Built-in account for guest access t...
mickey	mickey	user created for the exercise
pluto	pluto	user created for the exercise
scooby	scooby	user created for the exercise
Test	Test	user created for exercise

In the second step, we will create the two groups from Computer Management and add their corresponding users.



Name	Description
Access Control Assistance Operators	Members of this group can remot...
Administrators	Administrators have complete an...
Backup Operators	Backup Operators can override se...
Cryptographic Operators	Members are authorized to perfor...
Distributed COM Users	Members are allowed to launch, a...
Event Log Readers	Members of this group can read e...
Guests	Guests have the same access as m...
Hyper-V Administrators	Members of this group have com...
IIS_IUSRS	Built-in group used by Internet Inf...
Network Configuration Operators	Members in this group can have s...
Performance Log Users	Members of this group may sche...
Performance Monitor Users	Members of this group can acces...
Power Users	Power Users are included for back...
Remote Desktop Users	Members in this group are grante...
Remote Management Users	Members of this group can acces...
Replicator	Supports file replication in a dom...
System Managed Accounts Group	Members of this group are mana...
Users	Users are prevented from making ...
Class	group created for exercise
disney	group created for exercise
hanna	group created for exercise

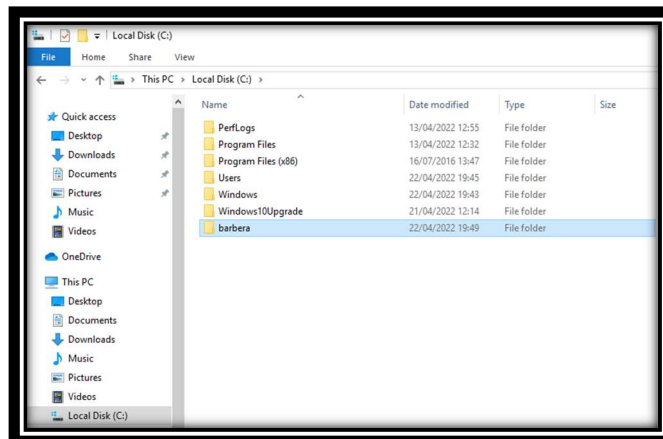
Now, we have to restart the computer in order to finish their configurations. They are all authenticated users now.



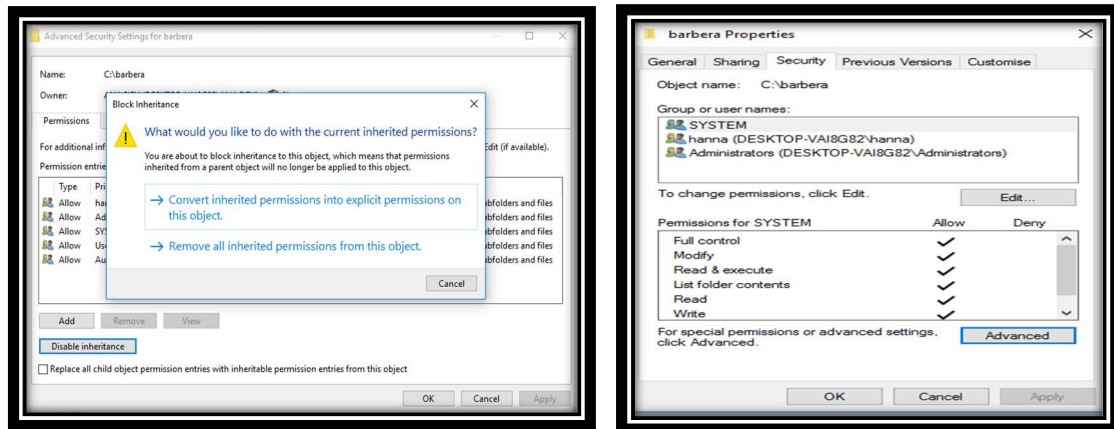
Now, we have to do the same with all of them.



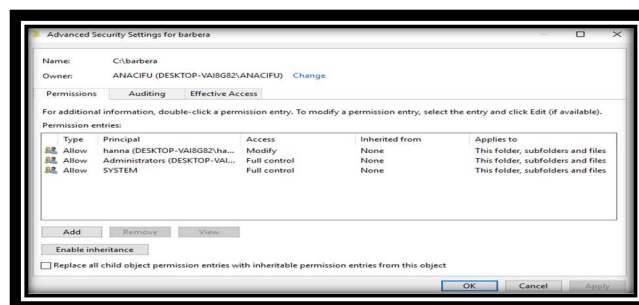
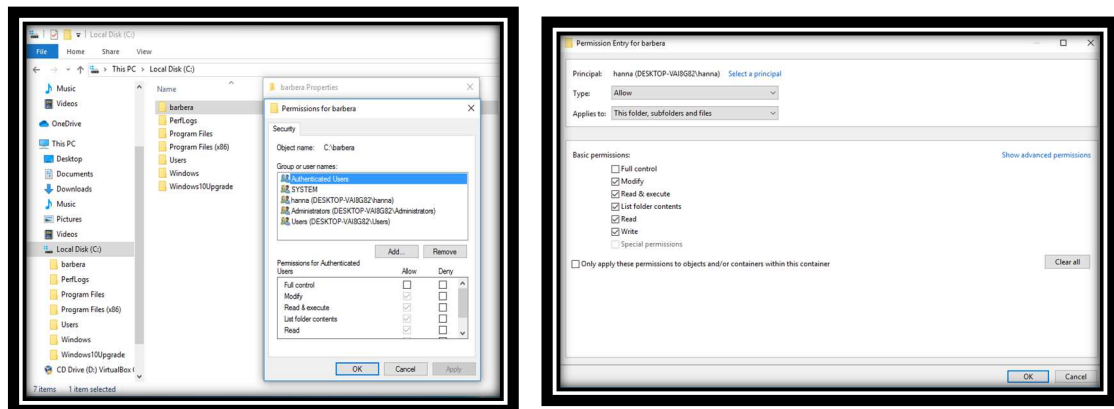
Once finished, we have to create the **barbera** folder in **C:** and then choose the folder properties.



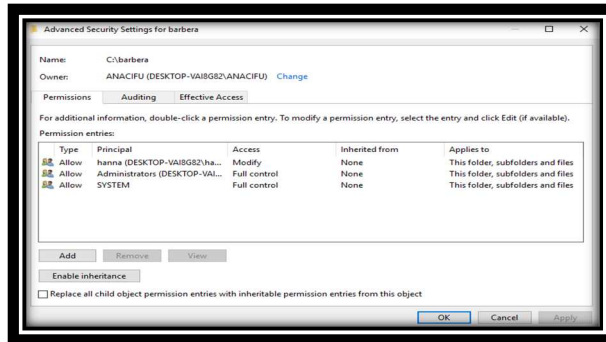
File explorer->C:\->barbera. Now, click on “Security” tab, “Advanced” button, and click on “Disable inheritance” in order to convert inherited permissions into explicit permissions, to disable inheritance to subfolders and files contained in the main folder.



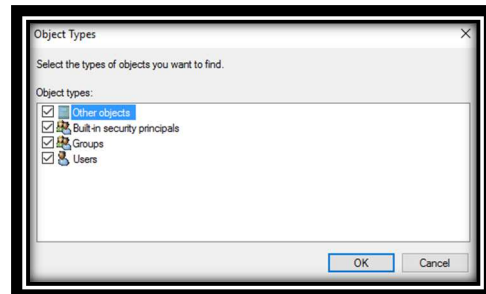
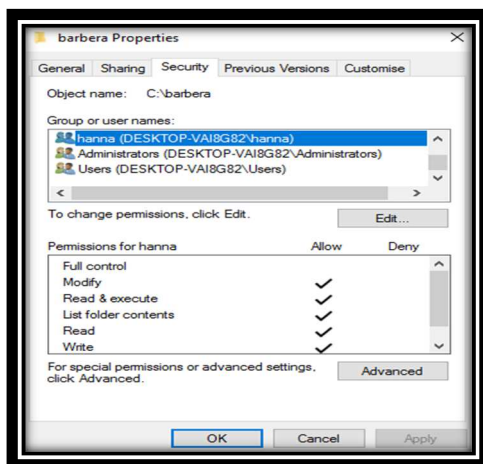
Now, we add hanna group, delete Users types and check Modify option when checking it will automatically mark the rest options except full option.



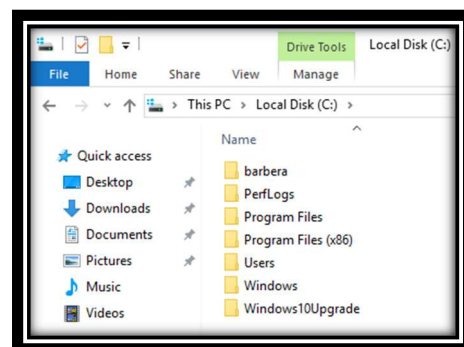
Now, we change the owner in order not to allow ANACIFU to manage barbera folder.

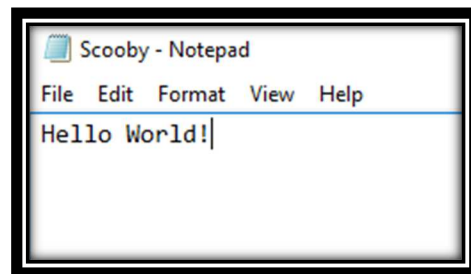
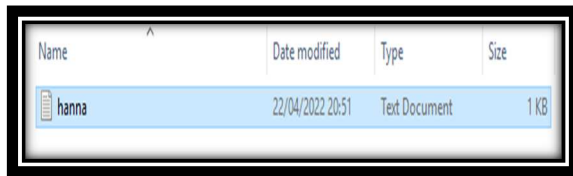
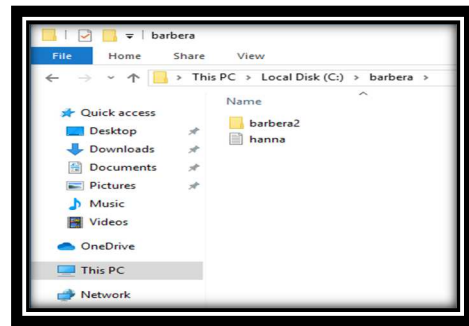


Now, we add groups to “Object types” in order to allow them to manage barbera folder.

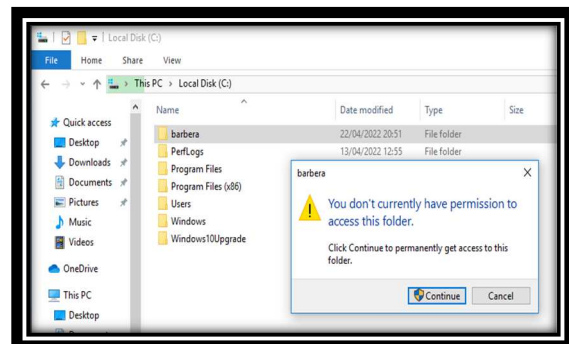


Now, you can check that only the two users of the **hanna** group can access, add, modify and delete in **barbera** folder.

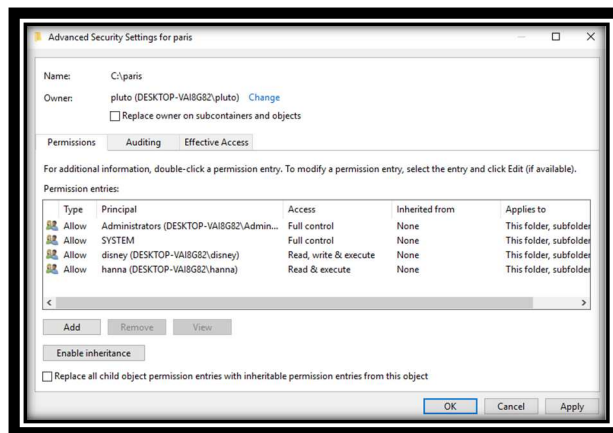
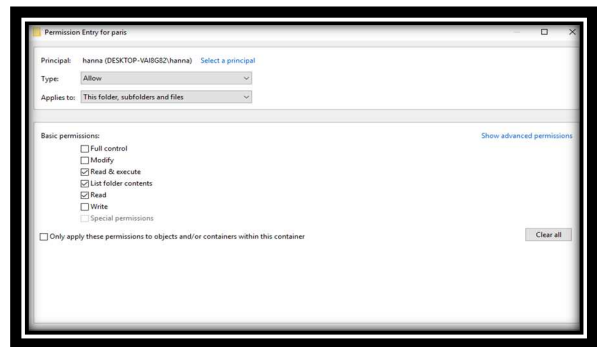
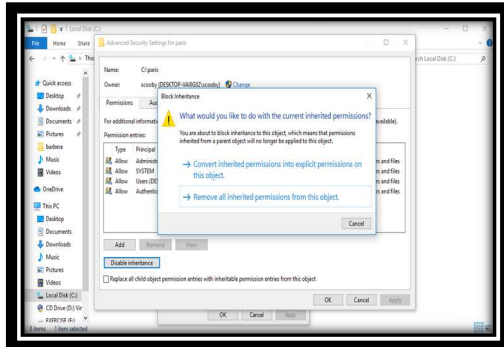
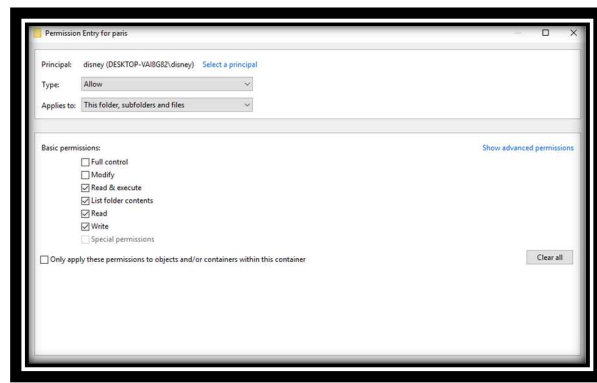
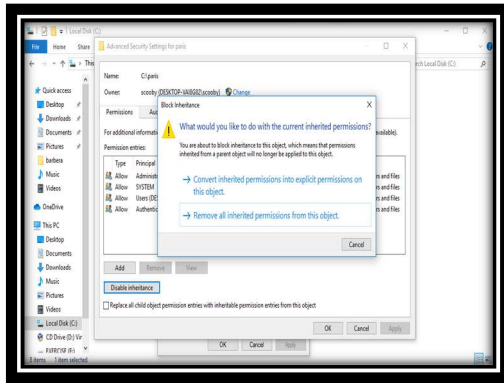




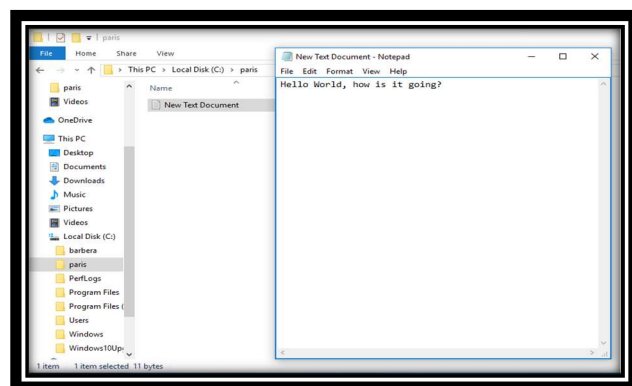
Now, if you enter with another user from another group you are not be able to access **barbera** folder.



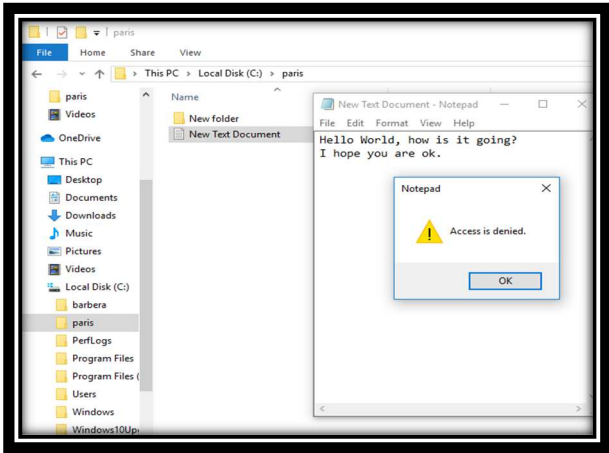
In this part, we create a new folder called paris, enable inheritance, remove Users type and give permissions for the disney group and hanna group.



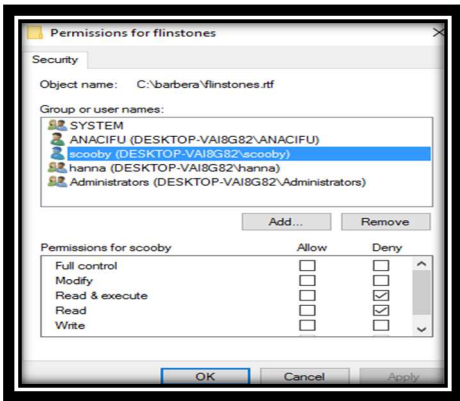
Now, we check the permissions of the disney group. You can create, read and write but not rename files or delete them.



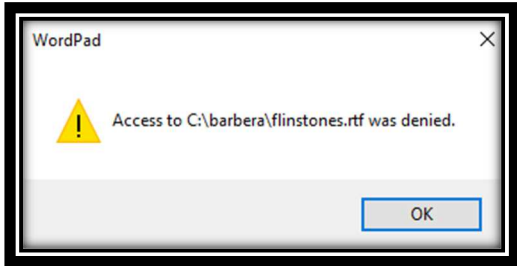
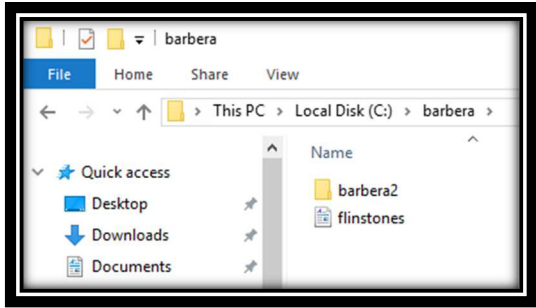
Now, we check the permissions of the hanna group. You can execute and read but you cannot make any changes.



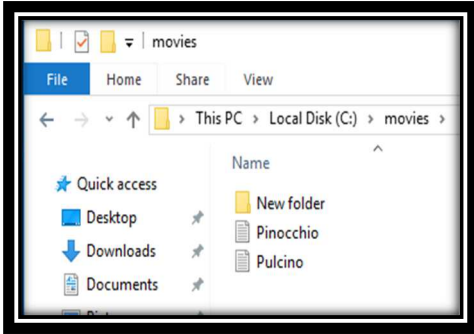
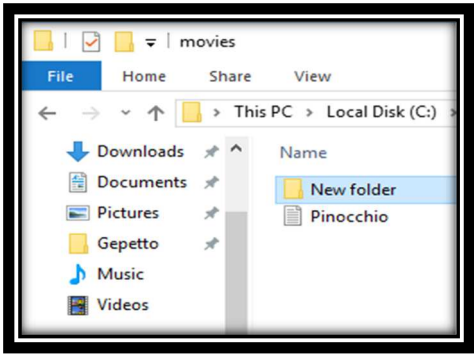
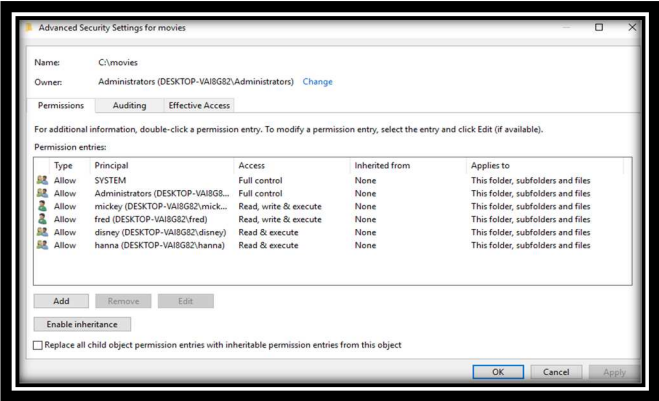
In this case it will restrict reading access to the user scooby to the flinstones file. To do this, the user must be added with the corresponding restrictions.



You can be accessed as much as the group has permissions except to read this file, since the most restrictive is the denial of access to this file.



In this case, we change the owner to avoid folder access issues, add write permissions on the **movies** folder to **mickey** and **fred** with "Disable inheritance" and you will be able to copy files to this folder. Now, do the same with groups **"Disney"** and **"hanna"** but in this case only read permissions and you will not be able to copy files.



With the others users you will not be able to copy any file or folder into **movies**.

