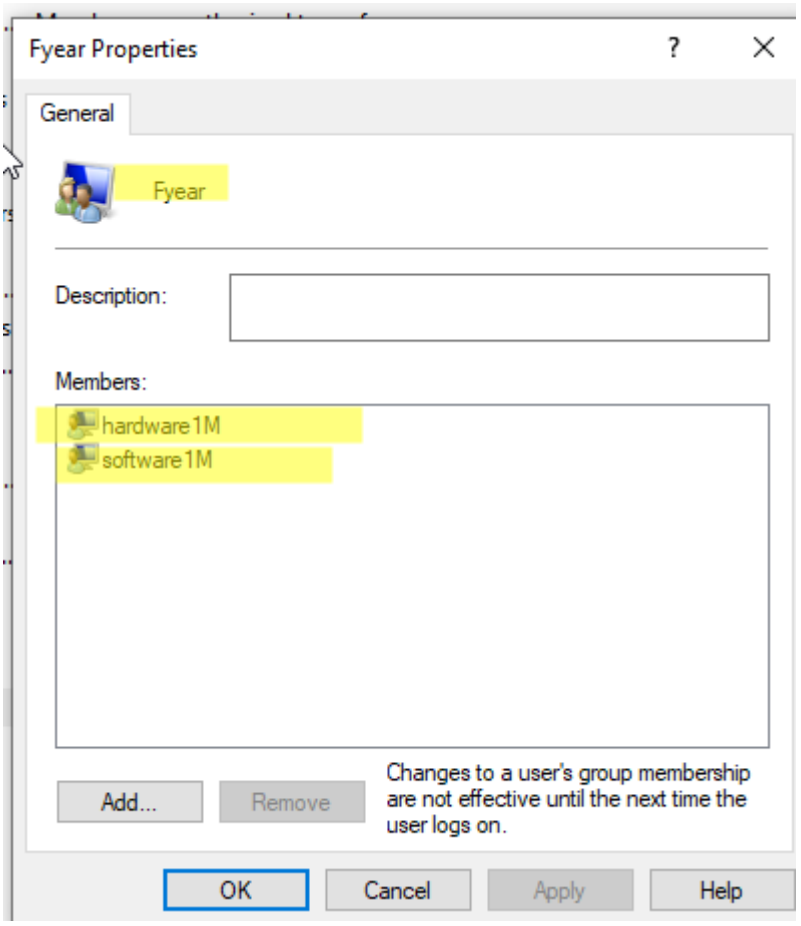
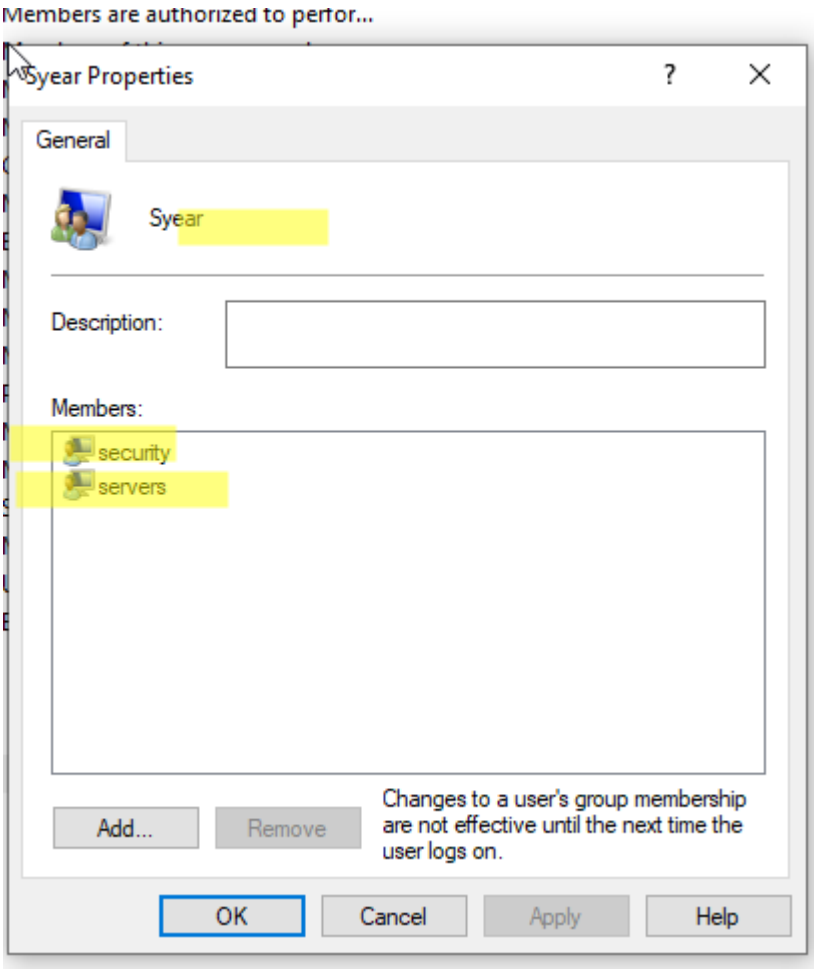
Imagine we have a computer with Windows 10 for two-year courses. The first year can access two types of students: hardware and software (2 users for each type and 1 group for the first year). The second year can access security and servers (2 users for each type and 1 group for the second year).



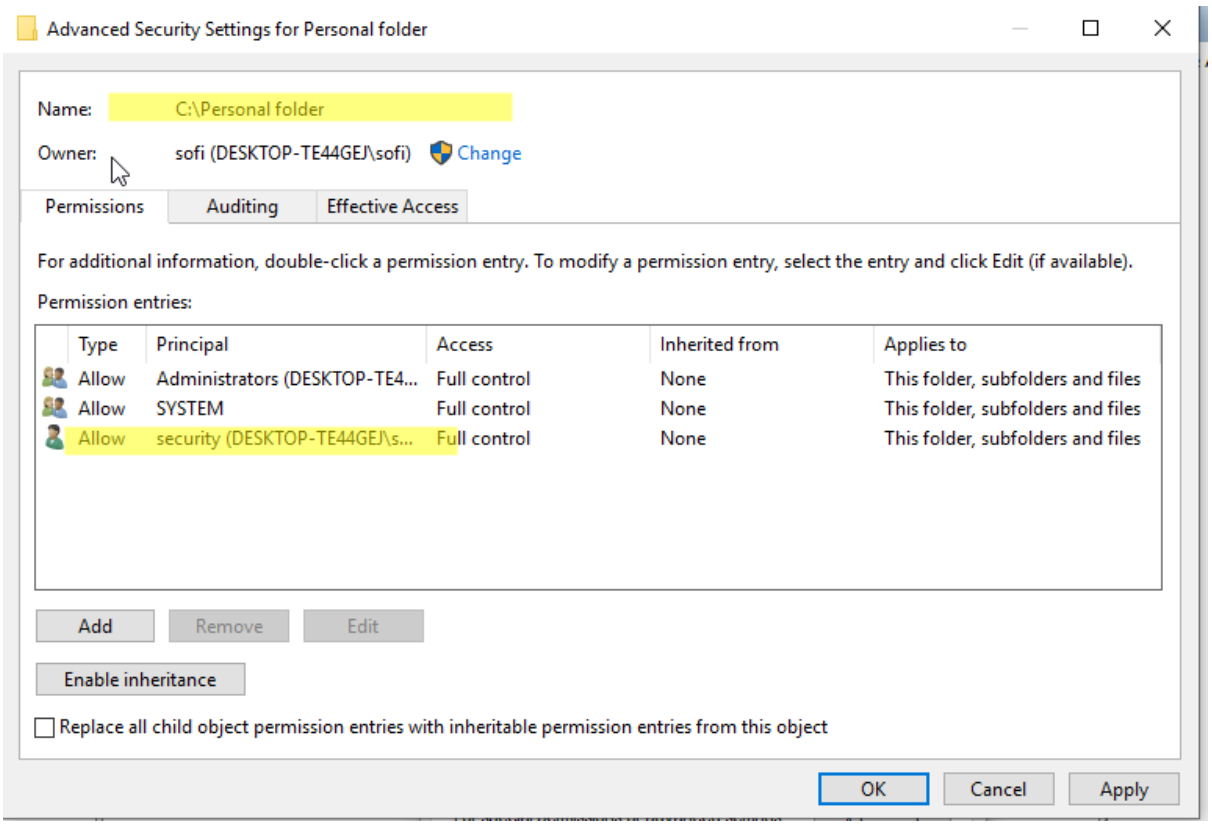
The users above are standard, but w



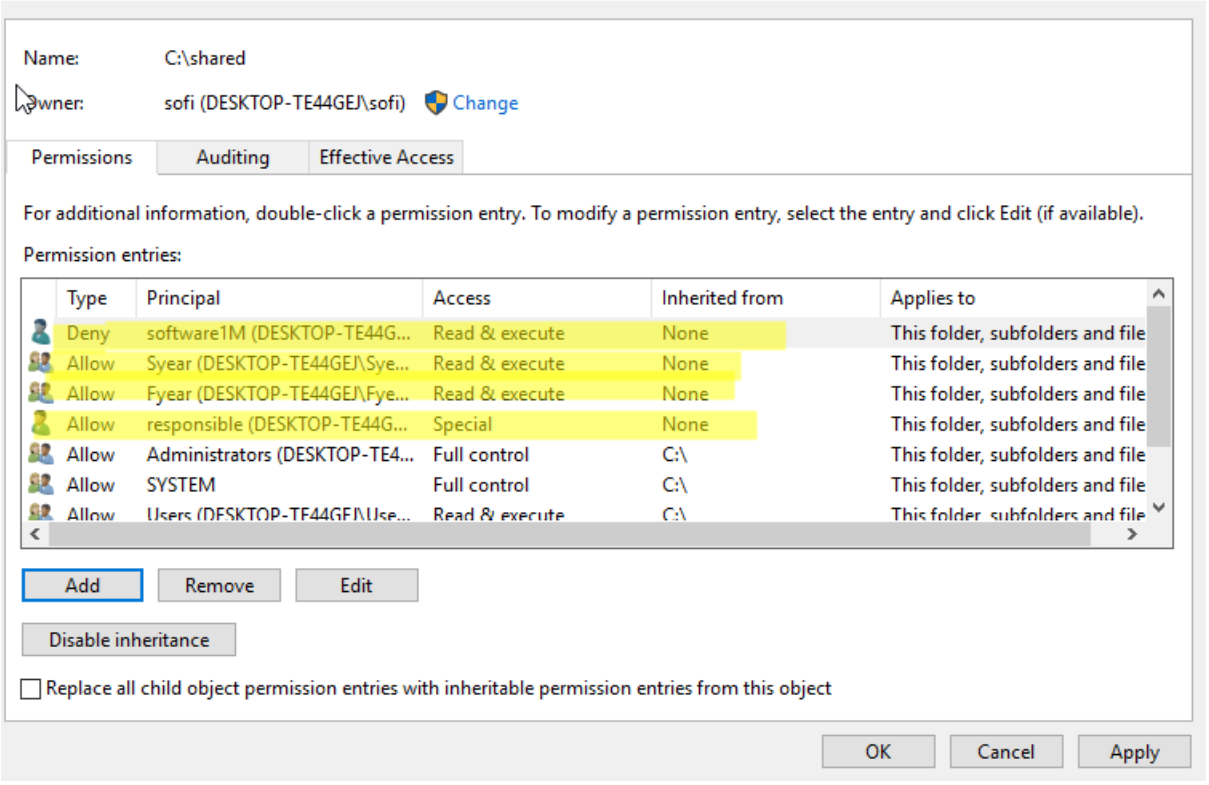
e also have an advanced user called “responsible” with administrator permissions.

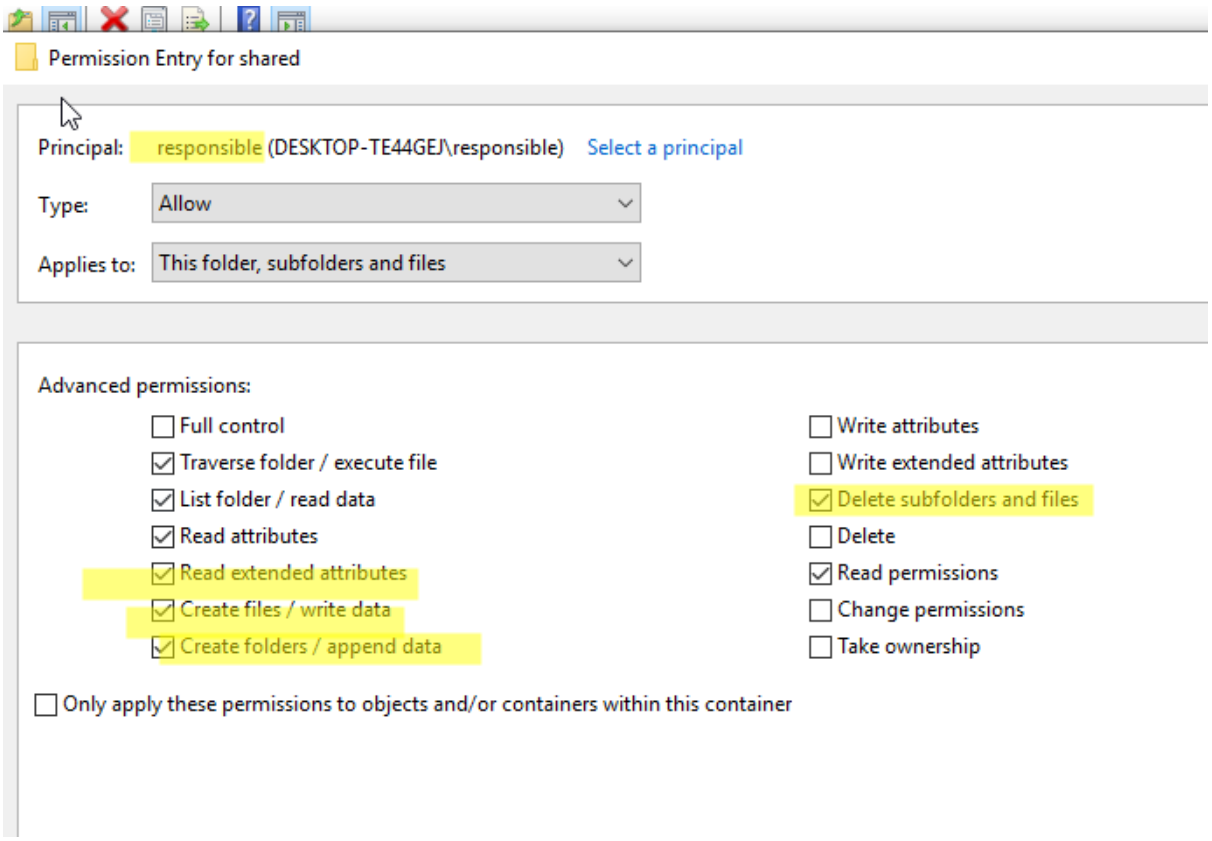
We want to create some folders in D:\ according to the following criteria:

- A personal folder for each user, which can only be accessed by the corresponding user. They can do everything. <u>You only need to create the folder for one of the users</u>, since the others are similar. WE DISABLE INHERITANCE

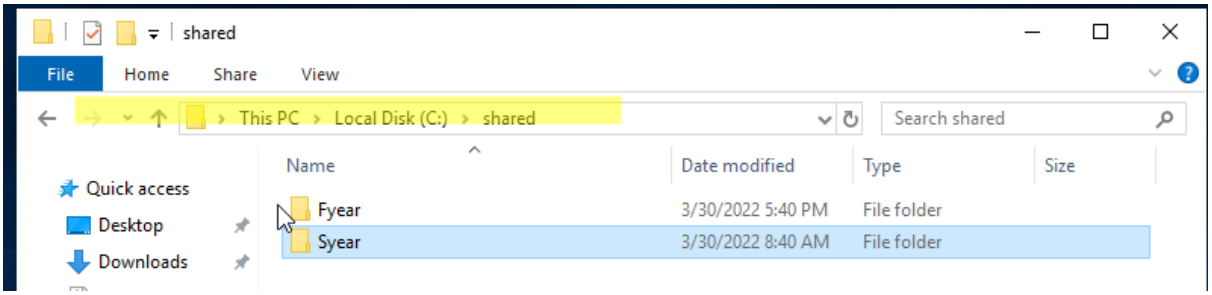


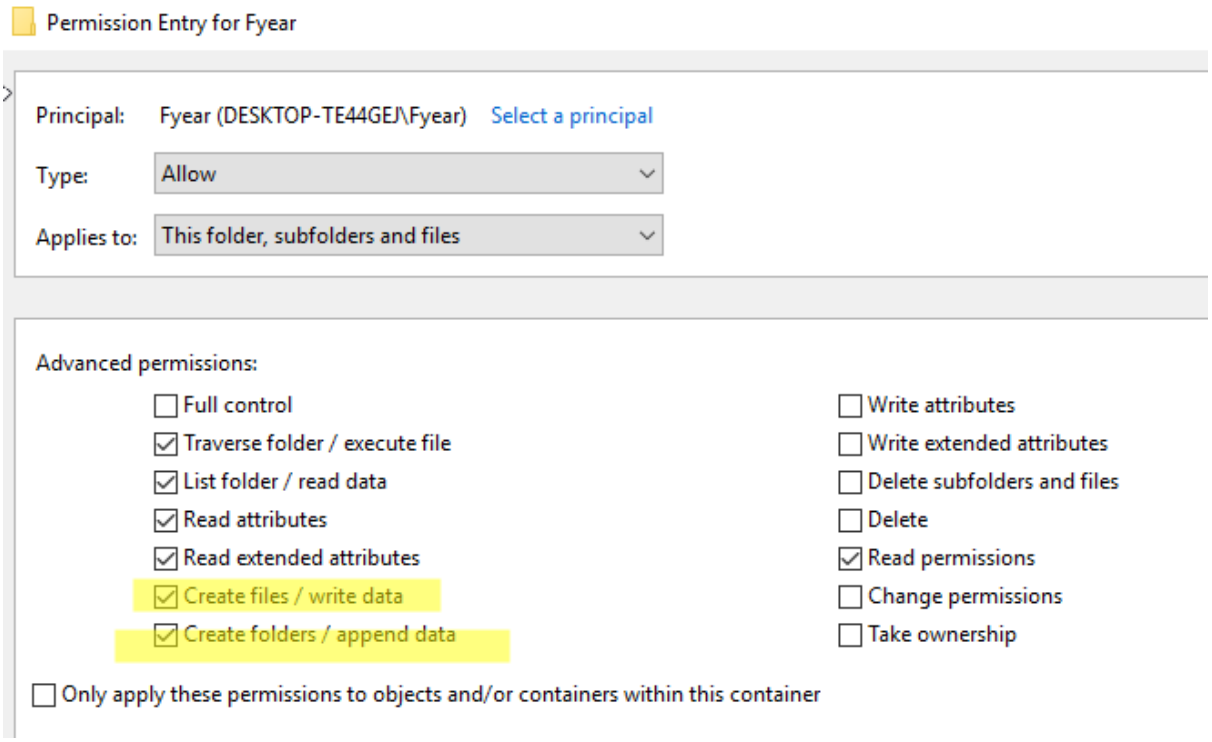
• A read-only folder for all the students called “shared”. The responsible user is able to create or delete files and folders. The software user cannot access this folder.
WE KEEP THE INHERITANCE

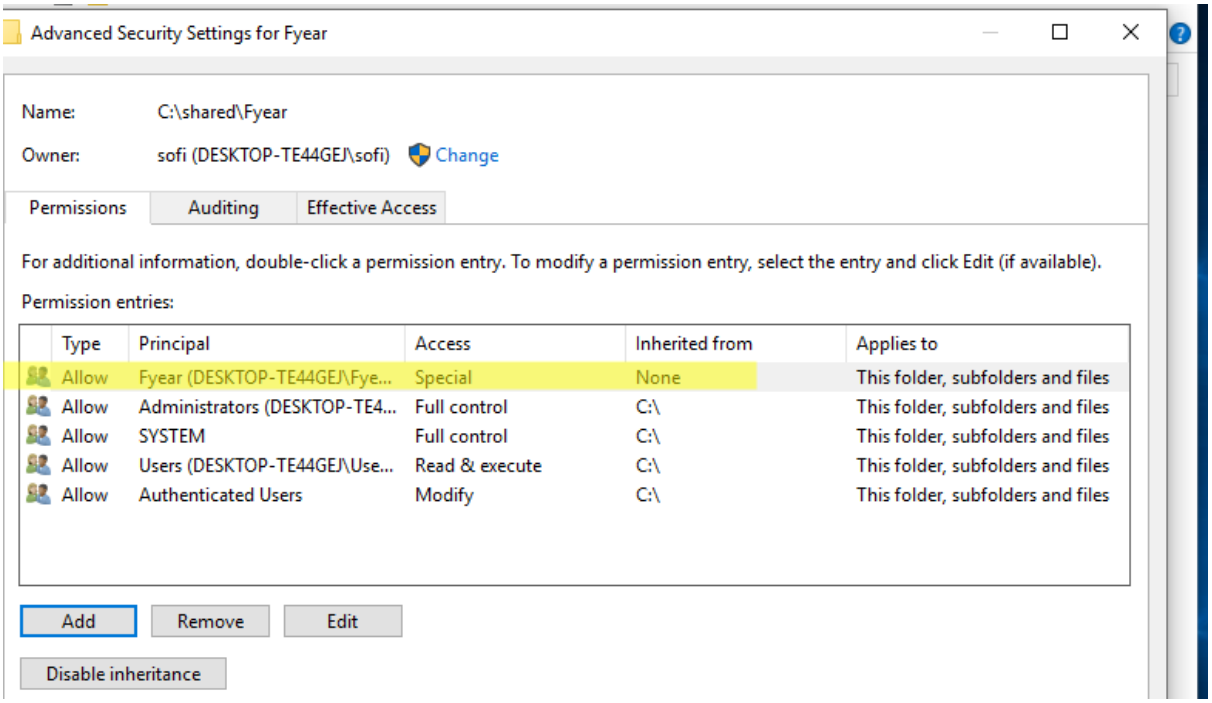




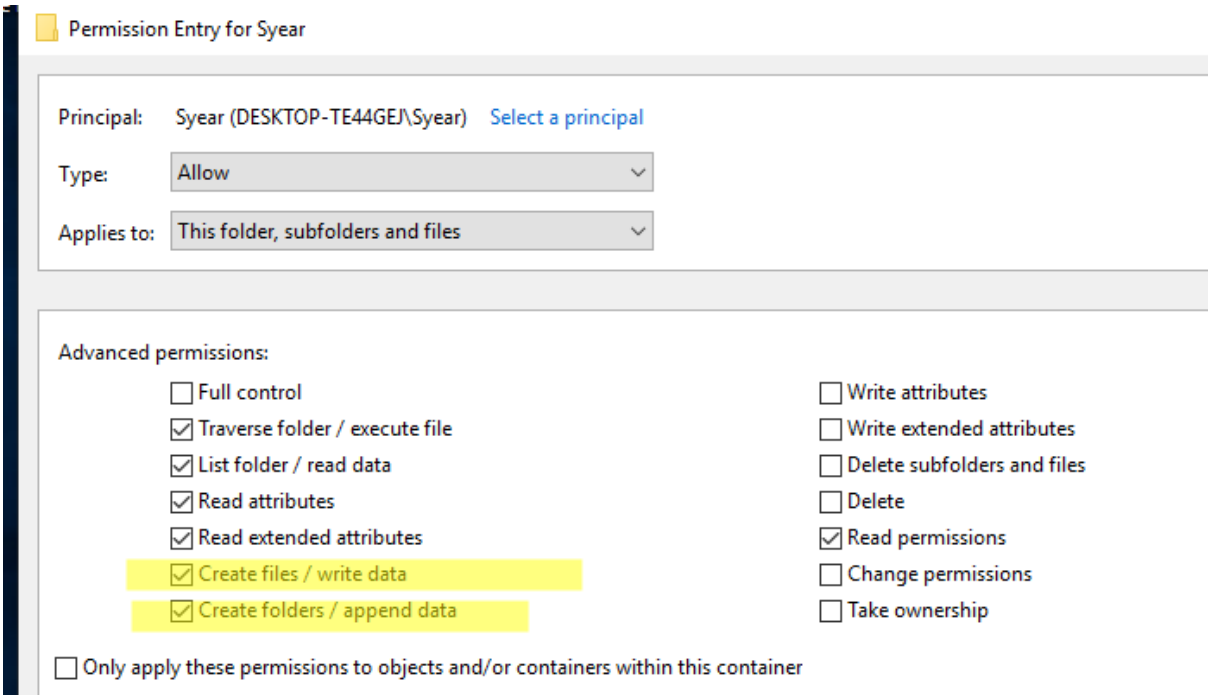
• A folder only for first year students into the shared folder, where they can create files and folders, but not delete them. Second year students will not be able to access.

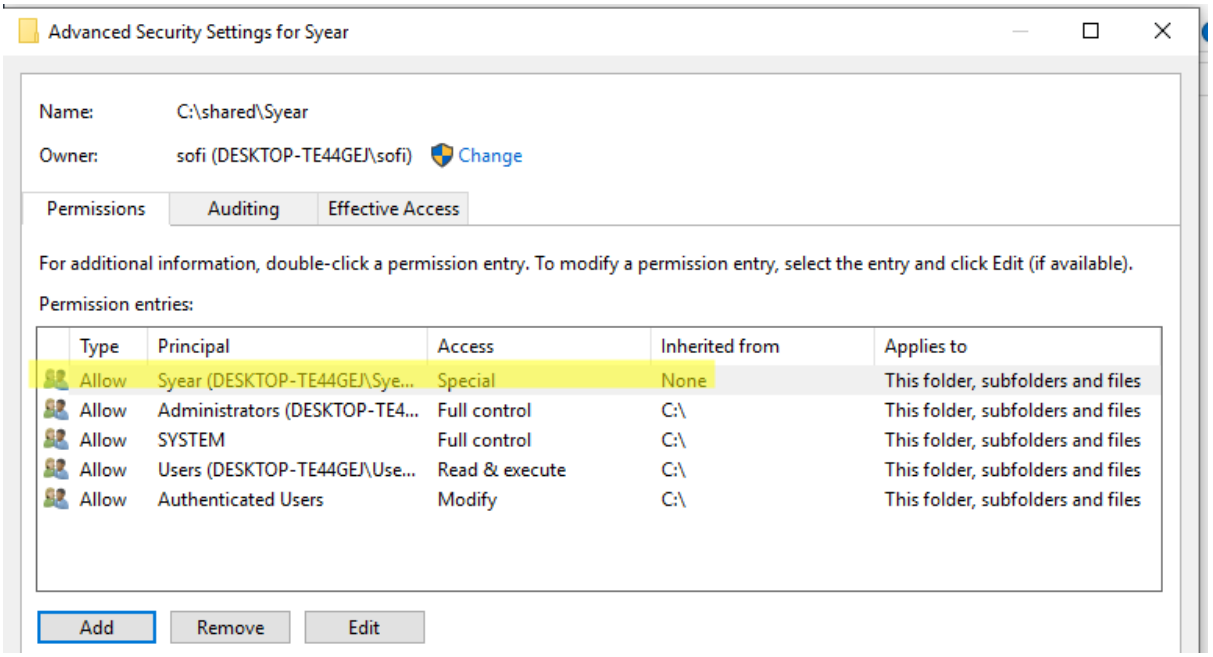



Permission Entry for Fyear
Principal: Fyear (DESKTOP-TE44GEJ\Fyear) Select a principal
Type: Allow
Applies to: This folder, subfolders and files
Advanced permissions:
Full control
Traverse folder / execute file
List folder / read data
Read attributes
Read extended attributes
Create files / write data
Create folders / append data
Write attributes
Write extended attributes
Delete subfolders and files
Delete
Read permissions
Change permissions
Take ownership
Only apply these permissions to objects and/or containers within this container


Advanced Security Settings for Fyear
Name: C:\shared\Fyear
Owner: sofi (DESKTOP-TE44GEJ\sofi) Change
Permissions
Auditing
Effective Access
For additional information, double-click a permission entry. To modify a permission entry, select the entry and click Edit (if available).
Permission entries:
Type Principal Access Inherited from Applies to
Allow Fyear (DESKTOP-TE44GEJ\Fye... Special None This folder, subfolders and files
Allow Administrators (DESKTOP-TE4... Full control C:\ This folder, subfolders and files
Allow SYSTEM Full control C:\ This folder, subfolders and files
Allow Users (DESKTOP-TE44GEJ\Use... Read & execute C:\ This folder, subfolders and files
Allow Authenticated Users Modify C:\ This folder, subfolders and files
Add
Remove
Edit
Disable inheritance

• Do the same as above for second year students (into the shared folder too). First year students will not be able to access.
WE KEEP THE INHERITANCE





Do the following:

a) Explain the users and groups required for the computer.

WE NEED TWO GROUPS Fyear and Syear, AND IN EACH GROUP WE INSERT TO USERS IN Fyear HARDWARE AND SOFTWARE, AND IN Syear SERVER AND SECURITY.

b) Explain the folders we need according to the criteria above.

WE ARE GOING TO USE TO FOLDERS Fyaer, Syear and personal.

c) Set the NTFS permissions for all the users and groups in each folder created in part B. For the subfolders, consider two scenarios: inheritance and non-inheritance.

IT'S ALREADY EXPLAINED ABOVE

You can use a table similar to below.

Folder name

	Allow					**Deny**				
User/Group	**Full Control**	**Modify**	**Read & Execute**	**Read**	**Write**	**Full Control**	**Modify**	**Read & Execute**	**Read**	**Write**