EXERCISE: Users, groups and permissions

We have a PC with Windows 10 that consists of two groups: Vocational and Secondary. The user "VocationalUser" will belong to "Vocational" and the user "SecondaryUser" will belong to "Secondary". There is also a user called Teacher which belongs to the group Administrators.

Complete all the exercises considering two scenarios: disabling inheritance and with inheritance.

1. Create all the users and groups mentioned above.

Vocational Properties   ?   ✕

General

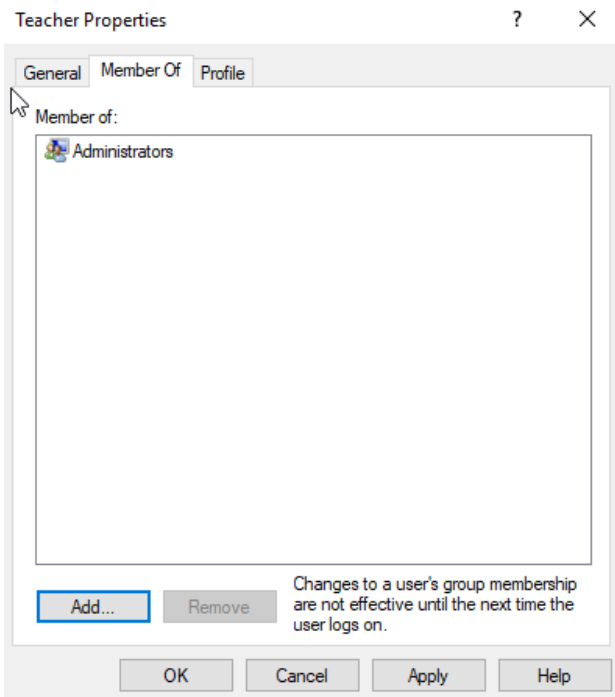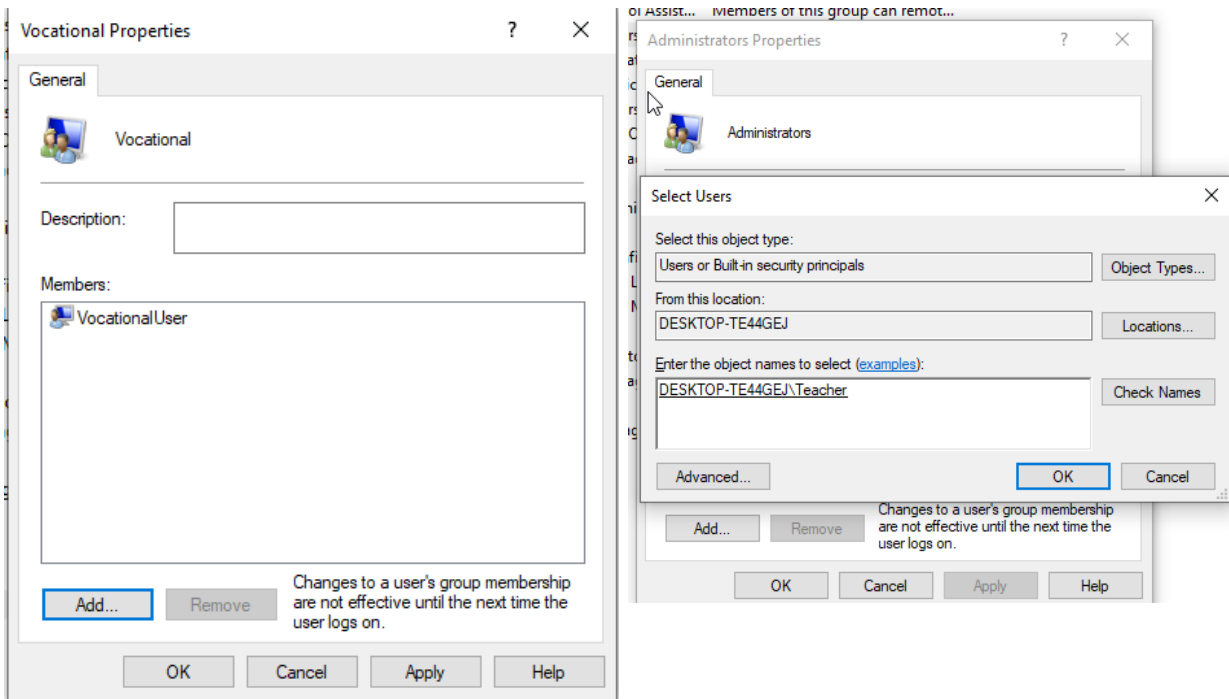Vocational

Description:

Members:

VocationalUser

Add...   Remove

Changes to a user's group membership
are not effective until the next time the
user logs on.

OK   Cancel   Apply   Help

ol Assist...   Members of this group can remot...

Administrators Properties   ?   ✕

General

Administrators

Select Users   ✕

Select this object type:

Users or Built-in security principals   Object Types...

From this location:

DESKTOP-TE44GEJ   Locations...

Enter the object names to select (examples):

DESKTOP-TE44GEJ\Teacher   Check Names

Advanced...   OK   Cancel

Changes to a user's group membership
are not effective until the next time the
user logs on.

Add...   Remove

OK   Cancel   Apply   Help

Teacher Properties   ?   ✕

General   Member Of   Profile

Member of:

Administrators

Add...   Remove

Changes to a user's group membership
are not effective until the next time the
user logs on.

OK   Cancel   Apply   Help

2. Create the following directory tree with the permissions below.

a. The directory known as "Shared" is able to be accessed by two users: "VocationalUser" and "SecondaryUser", but they cannot delete or create subfolders and files. The user Teacher has Full Control over this directory.

WITHOUT TAKING OFF DISABLE INHERITANCE, WE INSERT THE USERS WITH THE PERMISSIONS THAT WE WANT, EVEN THIS USERS ARE IN THE GROUP USERS AND HAVE READ AND EXECUTE PERMISSION, IT WILL SUPERIMPOSE THE LAST PERMISSION THAT WE PUT.

WITHOUT INHERITANCE, WE REMOVE THE GROUP USER AND ADD TEACHER
AND THE OTHER USERS.

b. The directory "For secondary" cannot be accessed by the group "Vocational",
while the group "Secondary" is able to do everything except change

permissions.

WITHOUT   TAKING   OFF   DISABLE   INHERITANCE,

WITHOUT   INHERITANCE,

c. The directory "For vocational" cannot be accessed by the group "Secondary",
while the group "Vocational" is able to do everything except delete this folder
and change permissions.

WITHOUT   TAKING   OFF   DISABLE   INHERITANCE,

Advanced Security Settings for ForVocational   —   □

Name: C:\ForVocational

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).
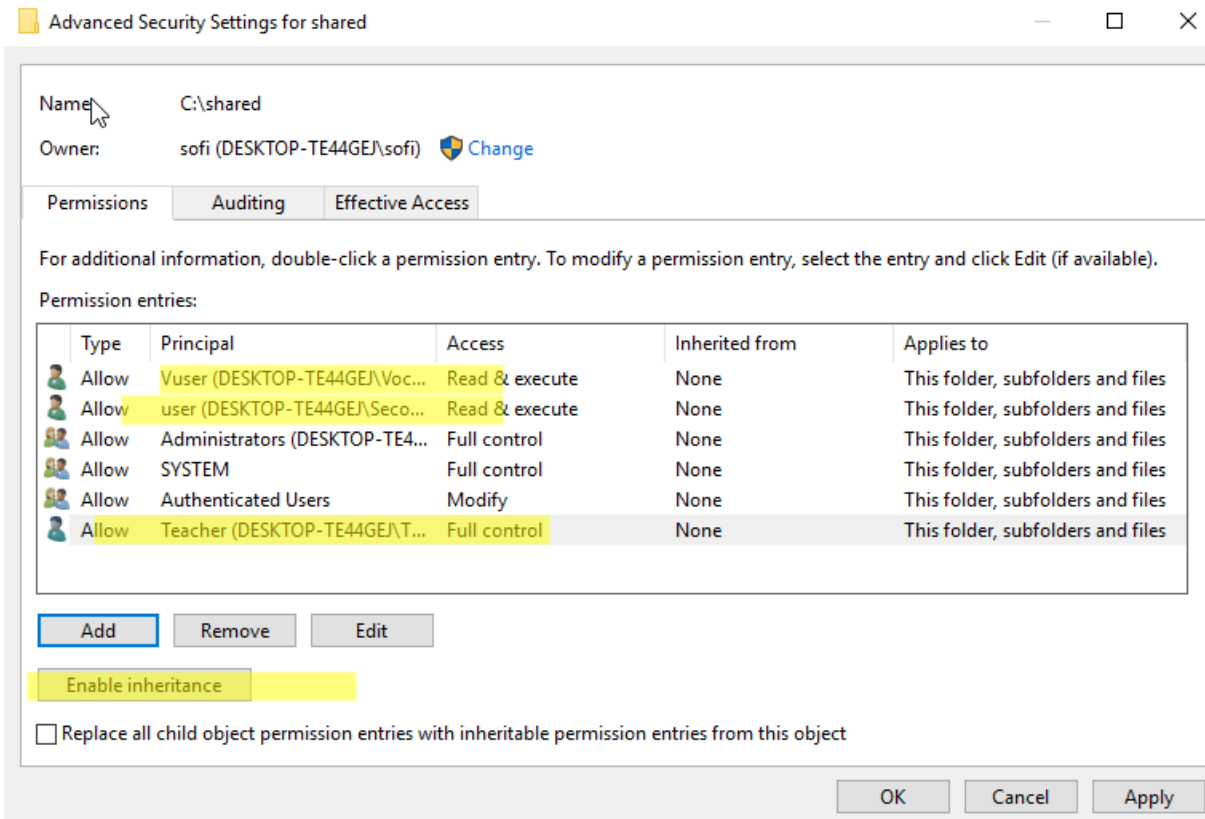
Permission entries:

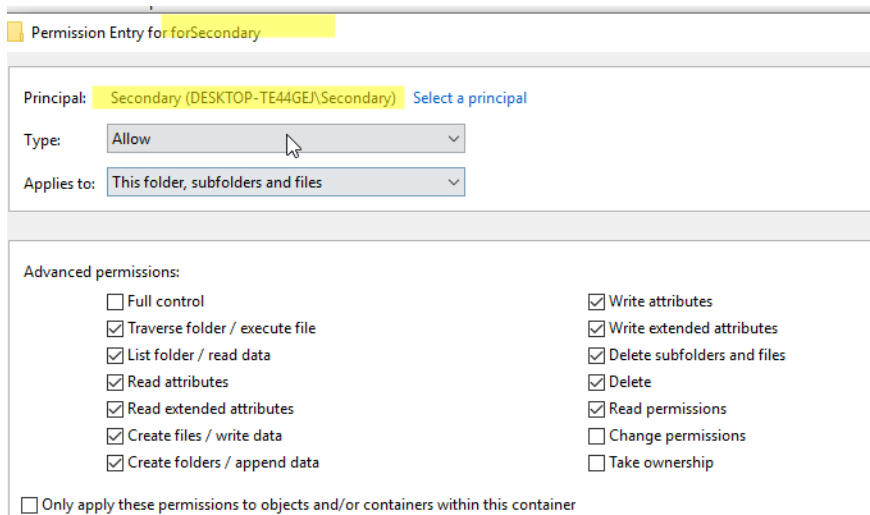|	Type	Principal	Access	Inherited from	Applies to
👥	Deny	Secondary (DESKTOP-TE44GE...	Read & execute	None	This folder, subfolders and files
👥	Allow	Vocational (DESKTOP-TE44GE...	Read, write & execute	None	This folder, subfolders and files
👥	Allow	Administrators (DESKTOP-TE4...	Full control	C:\	This folder, 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 |

☐ Replace all child object permission entries with inheritable permission entries from this object

WITHOUT INHERITANCE,

Advanced Security Settings for ForVocational   —   □

Name: C:\ForVocational

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	Administrators (DESKTOP-TE4...	Full control	None	This folder, subfolders and files
👥	Allow	SYSTEM	Full control	None	This folder, subfolders and files
👥	Allow	Authenticated Users	Modify	None	This folder, subfolders and files
👥	Allow	Vocational (DESKTOP-TE44GE...	Read, write & execute	None	This folder, subfolders and files

| Add | Remove | Edit |

| Enable inheritance |

d. The directory "Only for students" can be accessed exclusively by all students regardless of the group. They will be able to create files within this folder.

Permission Entry for OnlyForStudents

Principal: Vuser (DESKTOP-TE44GEJ\VocationalUser)   Select a principal

Type: Allow

Applies to: This folder, subfolders and files

Advanced permissions:

- [ ] Full control
- [x] Traverse folder / execute file
- [x] List folder / read data
- [x] Read attributes
- [x] Read extended attributes
- [x] Create files / write data
- [x] Create folders / append data

- [ ] Write attributes
- [ ] Write extended attributes
- [ ] Delete subfolders and files
- [ ] Delete
- [x] Read permissions
- [ ] Change permissions
- [ ] Take ownership

- [ ] Only apply these permissions to objects and/or containers within this container

Permission Entry for OnlyForStudents

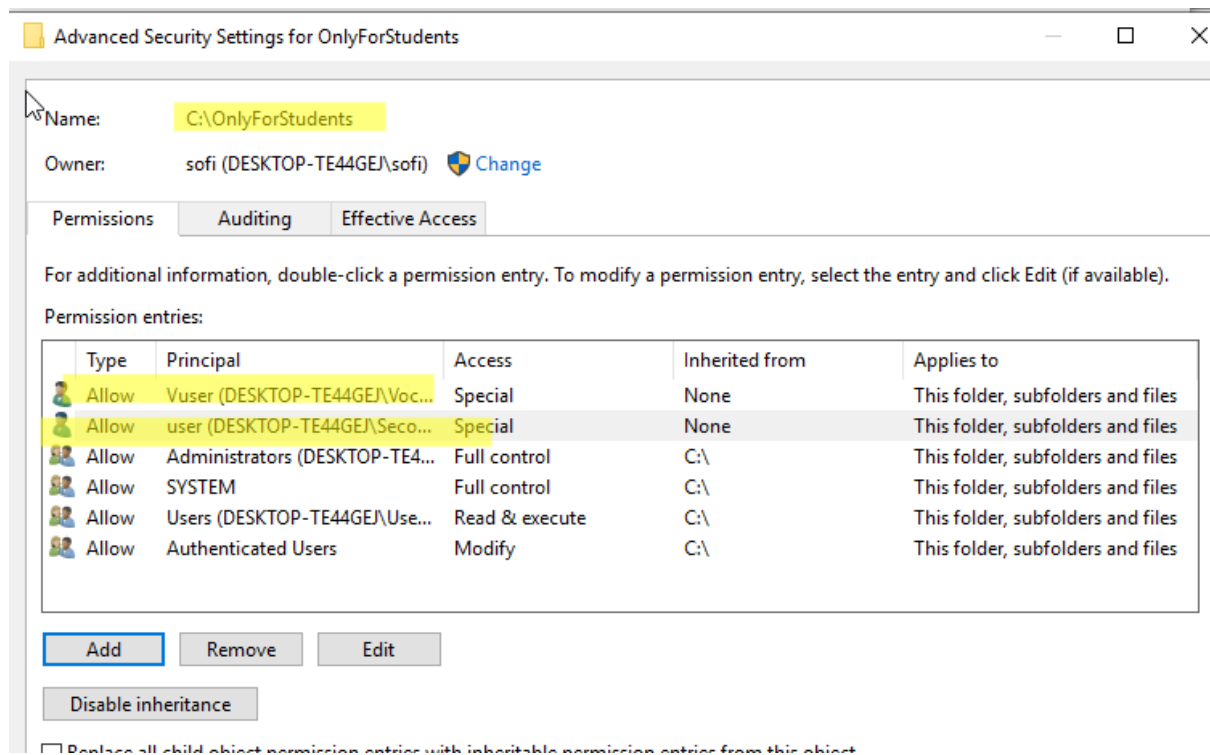Principal: user (DESKTOP-TE44GEJ\SecondaryUser)   Select a principal

Type: Allow

Applies to: This folder, subfolders and files

Advanced permissions:

- [ ] Full control
- [x] Traverse folder / execute file
- [x] List folder / read data
- [x] Read attributes
- [x] Read extended attributes
- [x] Create files / write data
- [x] Create folders / append data

- [ ] Write attributes
- [ ] Write extended attributes
- [ ] Delete subfolders and files
- [ ] Delete
- [x] Read permissions
- [ ] Change permissions
- [ ] Take ownership

- [ ] Only apply these permissions to objects and/or containers within this container

e. The directory "Only for teachers" can be accessed exclusively by all teachers and only with read and execute permissions.

Permission Entry for OnlyForTeachers

Principal: Teacher (DESKTOP-TE44GEJ\Teacher)   Select a principal

Type: Allow

Applies to: This folder, subfolders and files
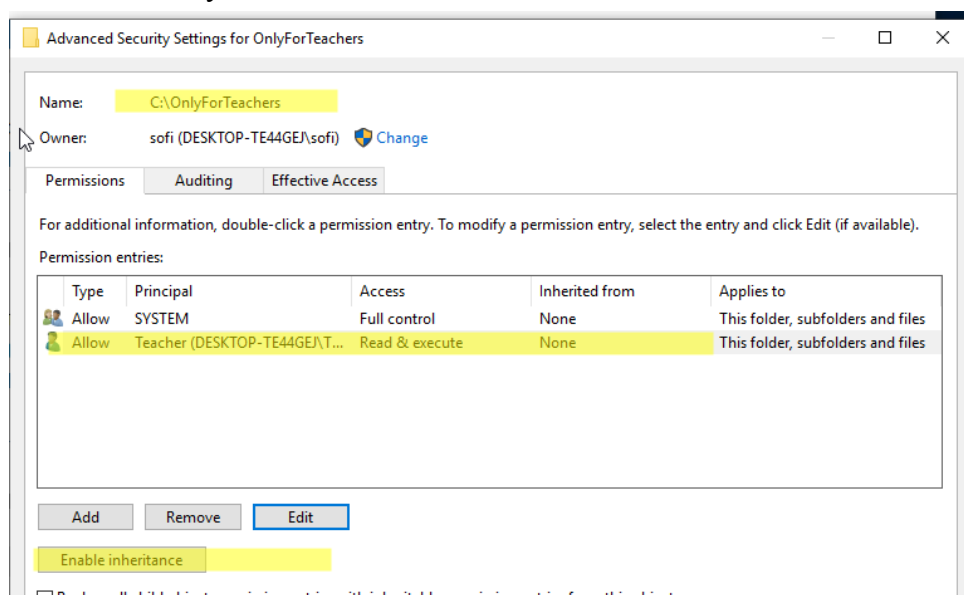
Basic permissions:

☐ Full control
☐ Modify
☑ Read & execute
☑ List folder contents
☑ Read
☐ Write
☐ Special permissions

☐ Only apply these permissions to objects and/or containers within this container

Permission Entry for OnlyForTeachers

Principal: Teacher (DESKTOP-TE44GEJ\Teacher)   Select a principal

Type: Allow

Applies to: This folder, subfolders and files

Basic permissions: