**A screenshot of a computer program

Description automatically generated13-** Create a folder called myteam in your home directory and change its permissions to read only for the owner.

A screenshot of a computer

Description automatically generated14- Log out and log in by another user

A black background with white text

Description automatically generated15- Try to access (by cd command) the folder (myteam)

16-(A)

A screenshot of a computer screen

Description automatically generatedA screenshot of a computer

Description automatically generatedChange the permissions of oldpasswd file to give owner read and write permissions and for group write and execute and execute only for the others (using chmod in 2 different ways)

A black background with green text

Description automatically generated16-(B) Change your default permissions to be as above.

16-(C) What is the maximum permission a file can have, by default when it is just created? And what is that for directory.

* The maximum permission a file can have, by default, when it is just created is 666 (rw-rw-rw-), which means read and write access for the user, group, and others. The maximum permission a directory can have, by default, when it is just created is 777 (rwxrwxrwx), which means read, write, and execute access for the user, group, and others.

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated16-(D) Change your default permissions to be no permission to everyone then create a directory and a file to verify.

17- What are the minimum permission needed for:

17-(A)- Copy a directory (permission for source directory and permissions for target parent directory)

* We need read and execute permissions on the source and target directories

17-(B)- Copy a file (permission for source file and permission for target parent directory)

* We need read permission on the source file and on the target directory we need execute and write permissions.

17-(C)- Delete a file

* No permissions are required to delete a file but we need the write and execute permissions of the parent directory.

A computer screen with white text

Description automatically generated

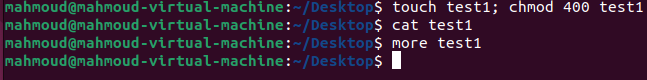
17-(D)- Change to a directory

* We need the read and execute permissions because this allows us to list the content and access any other directories.

17-(E)- List a directory content (ls command)

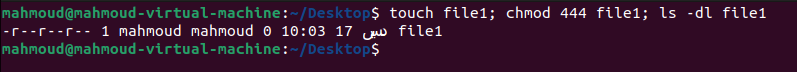
* For the directory we need read and execute permissions to allow us to see the names of the files and any subdirectory.

17-(F)- View a file content (more/cat command)

* We need the read permission to view the content and to allow us to read the data from the file and display it.

17-(G)- Modify a file content

* We need the write permission to allow us to change the data in the file and save it and maybe we need the read permission also to view the content and edit it.

18- Create a file with permission 444. Try to edit in it and to remove it? Note what happened.

When I access it with `vi file1` it shows that I’m in only read mode and permission denied

A black screen with red text

Description automatically generatedA computer screen shot of a computer

Description automatically generated

A black background with white text

Description automatically generatedBut I can remove the file without any more permissions.

19- What is the difference between the “x” permission for a file and for a directory?

* For a file `x` permission means that the file is executable and can run as a program and for a directory that means we can enter the directory and access its content.