The Task Description:

Understand the file permissions and create a flowchart for it. Then, apply the chmod command in a Python file to make the permissions rwxrwxr-x

Task Explanation:

The Linux permissions are divided into 3 parts

1- Owner [rwxrwxr-x]

2- Group [rwxrwxr-x]

3- Others [rwxrwxr-x]

The r means to read and it has a value of 4

The w means to write and it has a value of 2

The x means to execute and it has a value of 1

So if we want to owner to rwx that means the owner has a value of 7 [7 - -]

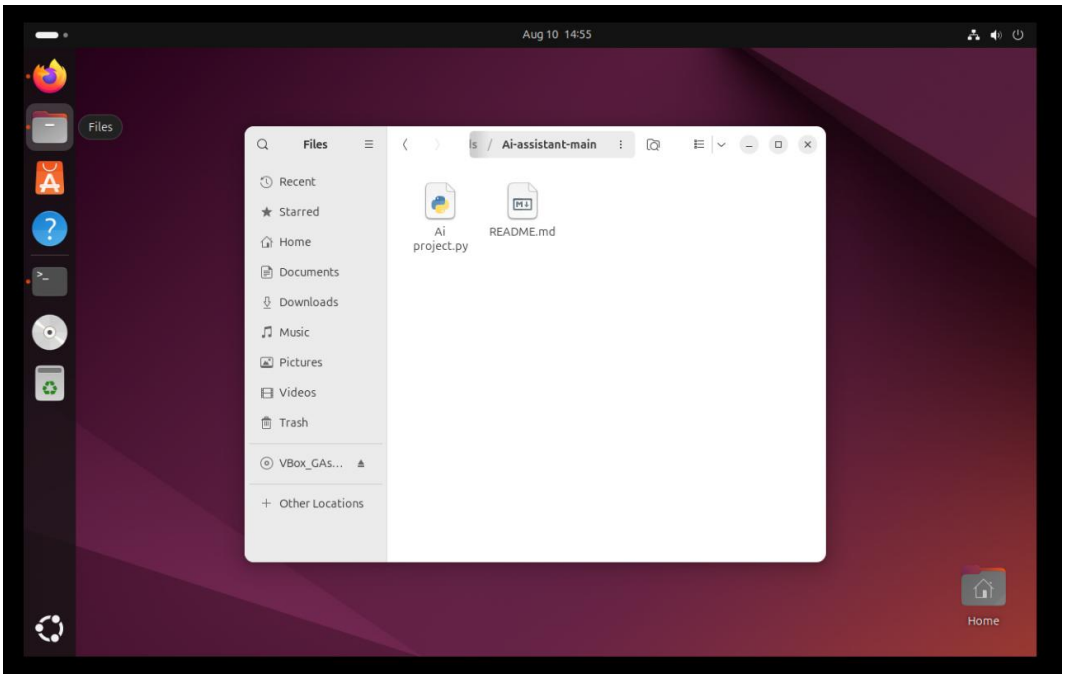
And if we want the group to rwx that means the group has a value of 7 [- 7 -]

And if we want others to r-x that means the others has a value of 5 [- - 5]

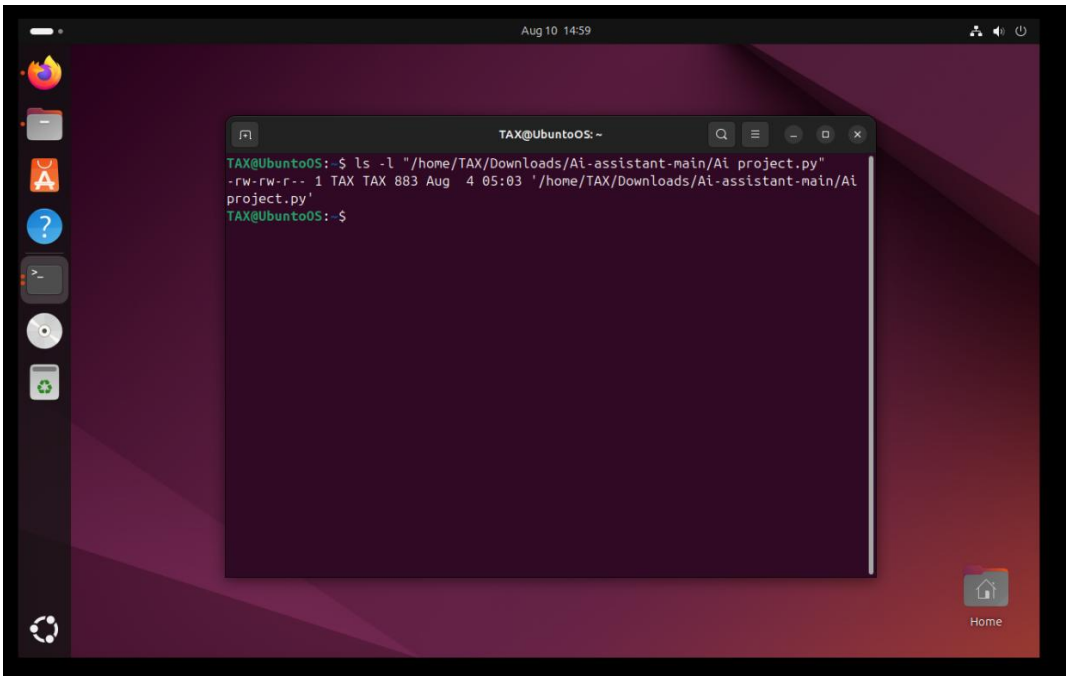
Now combine it into one value and use chmod that changes the permissions to the chosen file [chmod 775]

Task screenshots:

The Python file used in the task

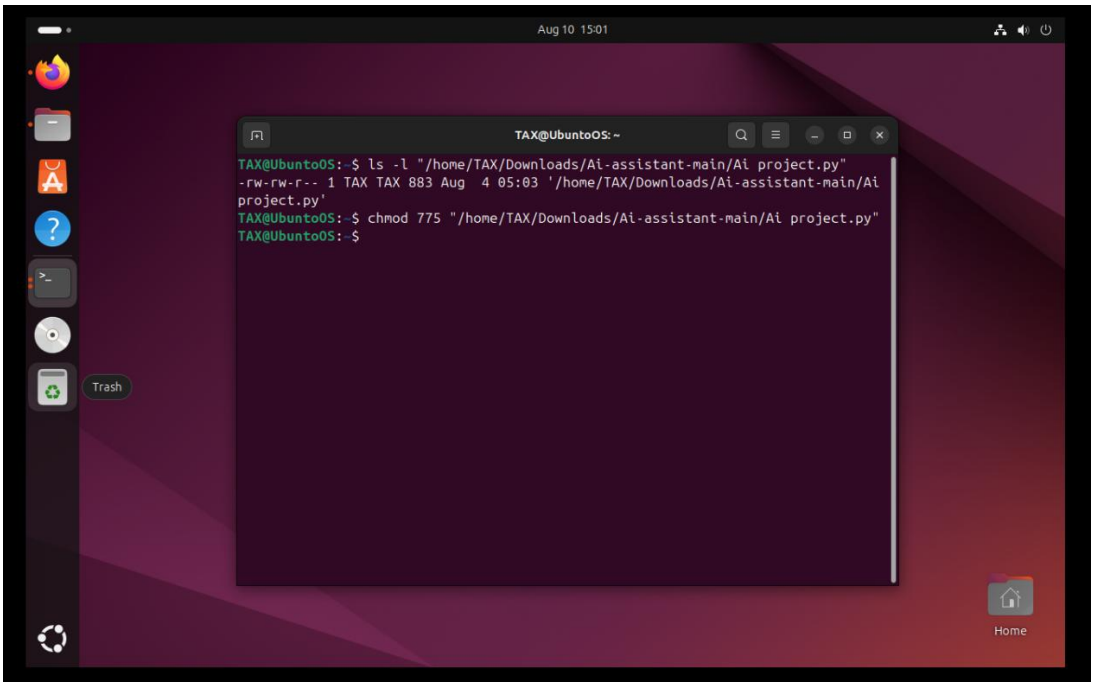


Checking the permissions of the file

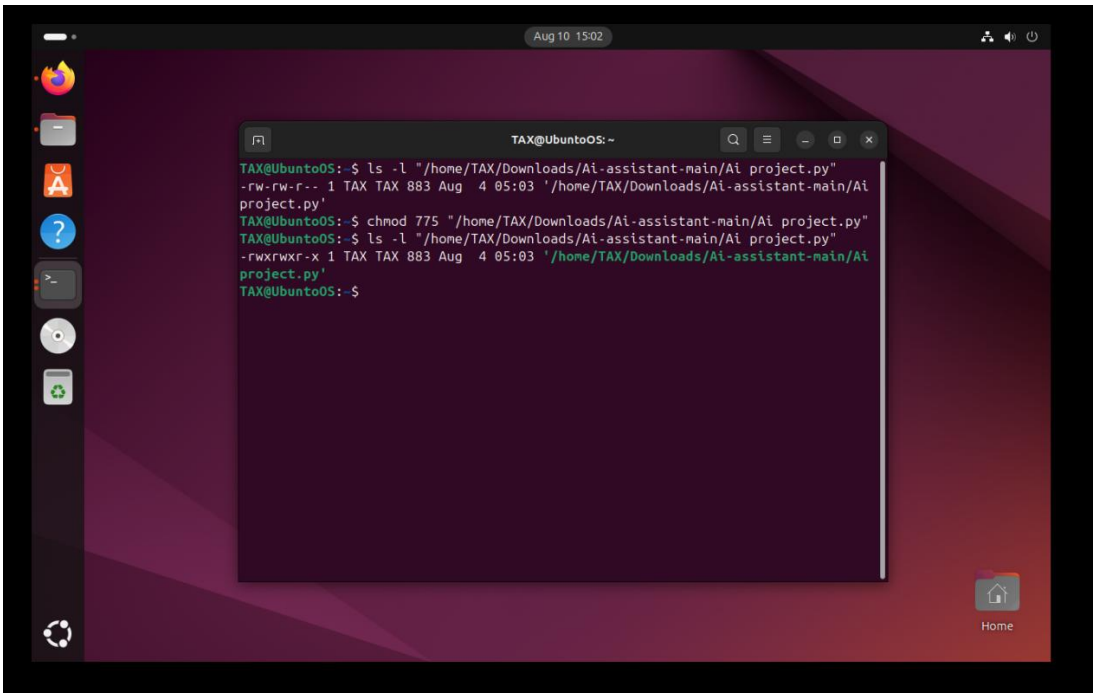


That means the owner can read and write, the group can read and write, others can just read

The Chmod command



Checking the permissions again



Now its rwxrwxr-x

The owner can read write and execute, the group can read write and execute, others can read and execute