Practical Linux

Practical 3

User environment

Exercises

Setup

Navigate to to the `permissions` folder.

Users and permissions

Inspect the ownership and permissions of the files using the `ls` command:

- Which user owns these files?
- Which group owns these files?
- What are the permissions for the user, the group and everyone else?

Changing permissions

Change the permissions of the files using the `chmod` command:

- Can you set the file named `user` to be readable and writeable for only you?
- Can you make the file named `group` readable for everyone in the `students` group, but not for anyone else?
- Can you make the file `other` writeable for everyone?

Executable files

Can you make the file named `program` executable?

What does the program do when you execute it?

Directory permissions

Ask your neighbour to list the content of your folder.

Can you remove the permission to list the content?

Can your neighbour still execute the program?

Can you now remove all access to this folder for your neighbour?

Solutions

If you have done all of the above as intended, your directory listing should look similar to this:

```
drwx------ 2 student01 students 4096 Mar  7 21:06 .
drwxr-xr-x 5 student01 students 4096 Mar  7 21:11 ..
-rw-r----- 1 student01 students   59 Mar  7 20:48 group
-rw-rw-rw- 1 student01 students   41 Mar  7 21:06 other
-rwxr-xr-x 1 student01 students   31 Mar  7 20:47 program
-rw------- 1 student01 students   48 Mar  7 20:49 user
```