# File permissions in Linux

## Project description

The project was about changing permissions for certain owners on directories and files

## Check file and directory details

I used the command ls -la to list all files in a directory even if they are hidden to see their permissions

## Describe the permissions string

The permission string is firstly set out as d for directory or - for file then is followed by rwd permissions for owner then group and then other if there is no permissions it will just be a - for that owner

E.g a file where user has read, write permission and group and other have read only it would look like:

exampleFile.txt;

-rw-r- - r- -

## Change file permissions

To change a file permission you would use the chmod command

chmod g+w exampleFile.txt

## Change file permissions on a hidden file

The hidden file has a (.) infront of it and to find hidden files you can use ls -a or ls -la

chmod u-w,g-w .exampleHiddenFile.txt

## Change directory permissions

For directories you need to put in the path of what directory you want to change

chmod o-r, o-w /home/researcher2/projects/drafts

## Summary

Overall i have learned how to change permissions for different owners on both files and directories