

# ALX SOFTWARE ENGINEERING COURSE PROGRAM

## 0x00. Shell, navigation

This project will (probably) be your first experience with a Unix terminal!

For this project, please start and connect to your Sandbox `Ubuntu 20.04`.

### Resources

Read or watch:

- [Linux navigation](#)
- [Linux - looking around](#)
- [Linux - manipulating files](#)

Or in your terminal:

- `man pwd`
- `man ls`
- `man cd`
- `man less`
- `man touch`
- `man cp`
- `man mv`
- `man rm`
- `man mkdir`
- `man rmdir`

Extra resources:

- [Linux - /tmp](#)

### Learning Objectives

At the end of this project, you are expected to be able to [explain to anyone](#), without the help of Google:

### General

- How to navigate in an Unix system
- How to list files and directories
- How to display the content of a file
- How to create a file or directory
- How to remove a file or directory
- How to move or copy a file or directory

# Copyright - Plagiarism

- You are tasked to come up with solutions for the tasks below yourself to meet with the above learning objectives.
- You will not be able to meet the objectives of this or any following project by copying and pasting someone else's work.
- You are not allowed to publish any content of this project.
- Any form of plagiarism is strictly forbidden and will result in removal from the program.

## Requirements

- All tasks **must be** done inside the sandbox `Ubuntu 20.04`
- Your sandbox **must be available at the end of this project** - the Checker will access to it at midnight for running the correction!

### Quiz questions

#### *Question #0*

Which command should you use to display the current path of your current directory?

- pwd
- cd
- ls
- touch
- less

#### *Question #1*

Which command should you use to list all files of your current directory?

- pwd
- cd
- ls
- touch
- less

#### *Question #2*

Which command should you use to change directory?

- touch
- ls

- pwd
- less
- cd

### *Question #3*

Which command should you use to display the content of a file?

- pwd
- less
- cd
- ls
- touch

### *Question #4*

Which command should you use to create an empty file?

- pwd
- touch
- cd
- less
- ls
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### *Question #5*

Which command should you use to copy a file (or directory if additional argument)?

- mkdir
- rm
- mv
- cp
- rmdir

### *Question #6*

Which command should you use to rename or move a file (or directory)?

- cp
- mv
- rm
- mkdir

- rmdir

### *Question #7*

Which command should you use to delete a file (or directory if additional argument)?

- rmdir
- mv
- rm
- mkdir
- cp

### *Question #8*

Which command should you use to create a directory?

- Rmdir
- Rm
- Mv
- Cp
- mkdir

### *Question #9*

Which command should you use to delete a directory?

- cp
- mv
- rm
- mkdir
- rmdir

## Tasks

### **0. Create me!**

Access your sandbox and:

- Change your working directory to `/root`
- Then, create an empty file `so_cool`

### **Advices:**

- Don't forget to validate your current working directory

- Don't forget to display the list of files of your current directory to validate the creation of the new file

## 1. More of me

Access your sandbox and:

- Change your working directory to `/root`
- Then, copy the file `school` to `/tmp`

**Advices:**

- Don't forget to validate your current working directory
- Don't forget to display the list of files of your current directory to validate the copy of the file

## 2. To old

Access your sandbox and:

- Change your working directory to `/root`
- Then, rename the file `old_school` to `new_school` (in the same directory)

**Advices:**

- Don't forget to validate your current working directory
- Don't forget to display the list of files of your current directory to validate the renaming of the file

## 3. Not here

Access your sandbox and:

- Change your working directory to `/root`
- Then, move the file `not_here` to `/tmp/right_school`

**Advices:**

- Don't forget to validate your current working directory
- Don't forget to display the list of files of your current directory to validate the move of the file

## 4. Not anymore

Access your sandbox and:

- Change your working directory to `/root`
- Then, delete the file `ready_to_be_removed`

**Advices:**

- Don't forget to validate your current working directory
- Don't forget to display the list of files of your current directory to validate the removal of the file

## 5. Organization is key!

Access your sandbox and:

- Change your working directory to `/root`
- Then, create a directory `school_is_amazing`

### Advices:

- Don't forget to validate your current working directory
- Don't forget to display the list of directories of your current directory to validate the creation of the directory

## 6. No need

Access your sandbox and:

- Change your working directory to `/root`
- Then, remove the directory `empty_directory`

### Advices:

- Don't forget to validate your current working directory
- Don't forget to display the list of directories of your current directory to validate the removal of the directory