

Make and change directories and files

[Open Lab](#)

Instructions

Introduction
In this exercise, you will practice creating and manipulating directories and files.

Goal

- Using the command line, create a specific directory structure containing files

Objectives

- Create a working directory named `lab`
- Create two directories named `dir1` and `dir2` inside the `lab` directory
- Create files and directories inside `dir1` and `dir2`

Instructions

Step 1: Open Terminal in your VS code editor.



Step 2: Type the command `mkdir lab` and press Enter



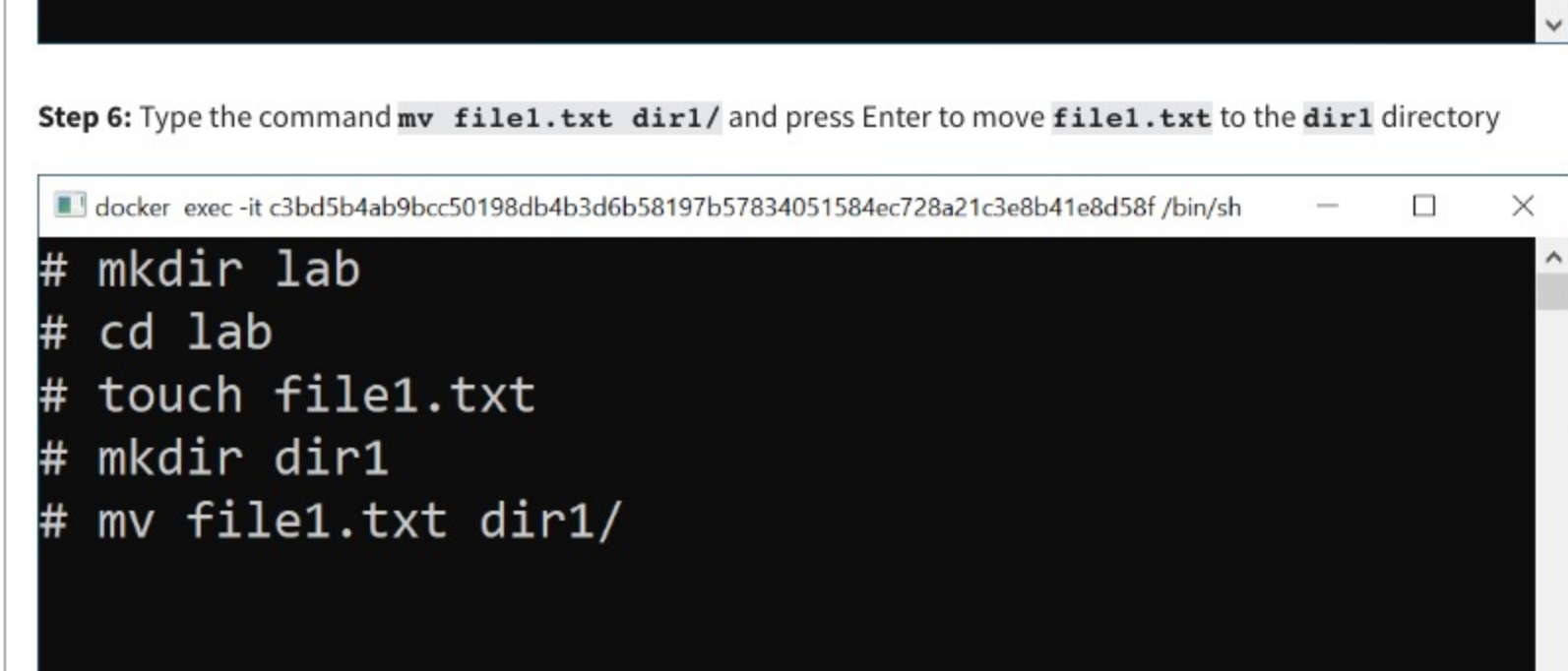
Step 3: Change to the `lab` directory by typing `cd lab` and pressing Enter



Step 4: Type the command `touch file1.txt` and press Enter to create a file named `file1.txt`



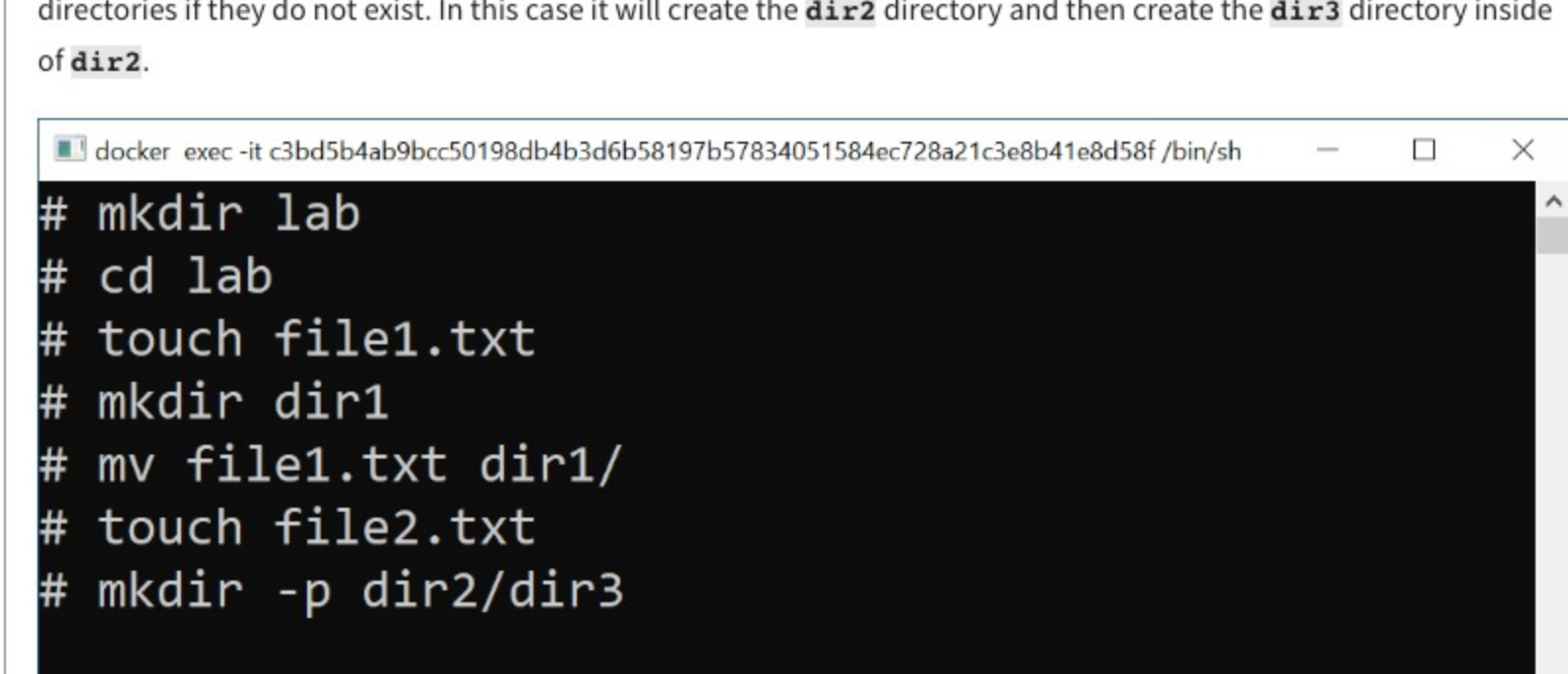
Step 5: Type the command `mkdir dir1` and press Enter



Step 6: Type the command `mv file1.txt dir1/` and press Enter to move `file1.txt` to the `dir1` directory



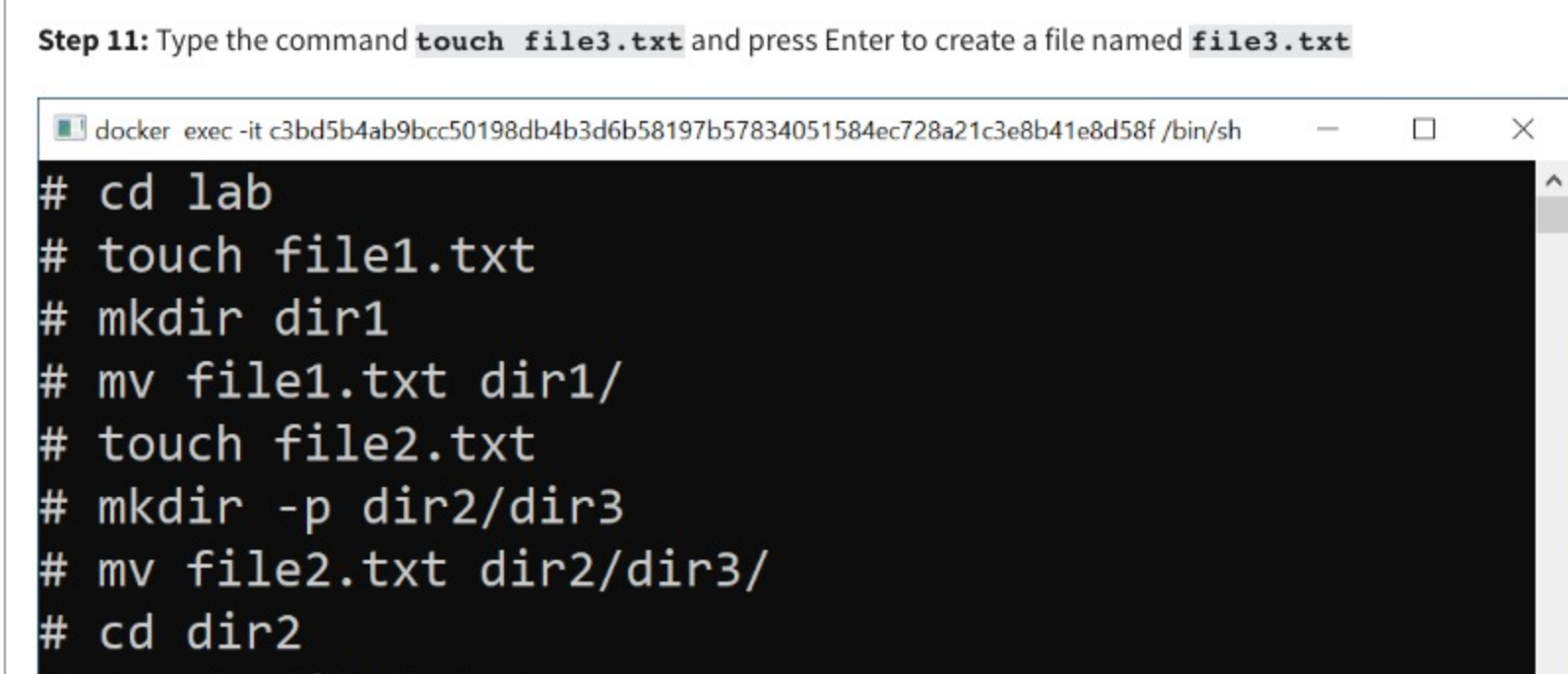
Step 7: Type the command `touch file2.txt` and press Enter to create a file named `file2.txt`



Step 8: Type the command `mkdir -p dir2/dir3` and press Enter. We're using the `-p` flag to create the parent directories if they do not exist. In this case it will create the `dir2` directory and then create the `dir3` directory inside of `dir2`.



Step 9: Type the command `mv file2.txt dir2/dir3/` and press Enter to move `file2.txt` to the `dir3` directory



Step 10: Change to the `dir2` directory by typing `cd dir2`



Step 11: Type the command `touch file3.txt` and press Enter to create a file named `file3.txt`



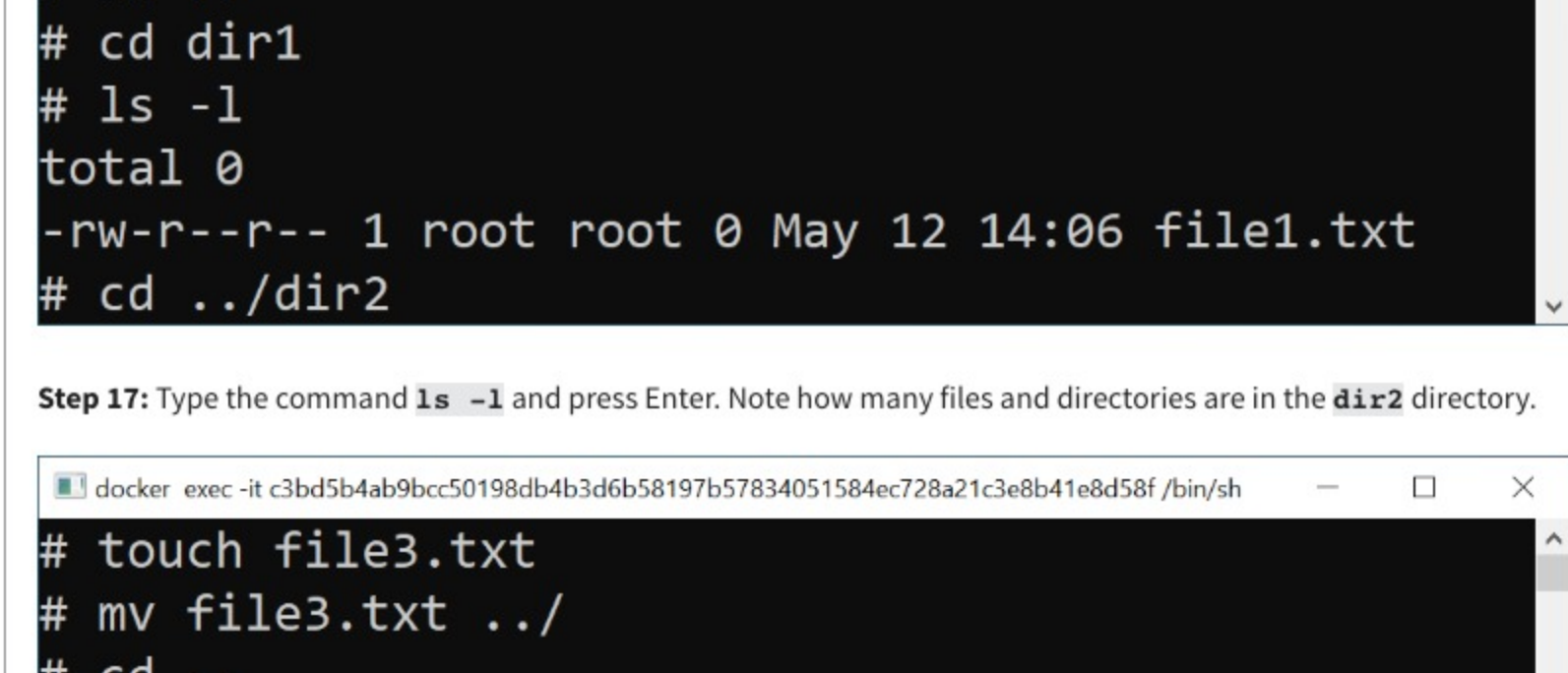
Step 12: Type the command `mv file3.txt ../` and press Enter to move `file3.txt` to the `lab` directory



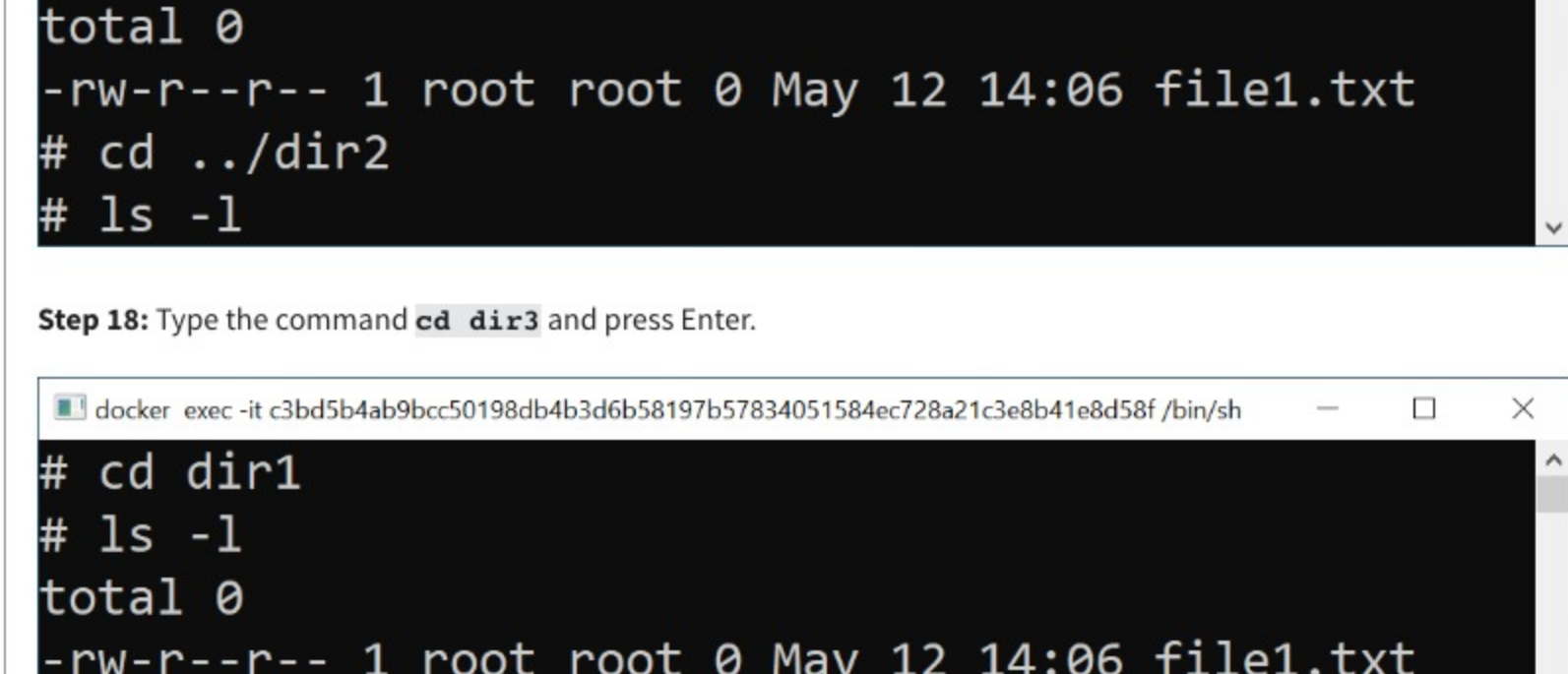
Step 13: Type the command `cd ..` and press Enter to navigate back to the `lab` directory



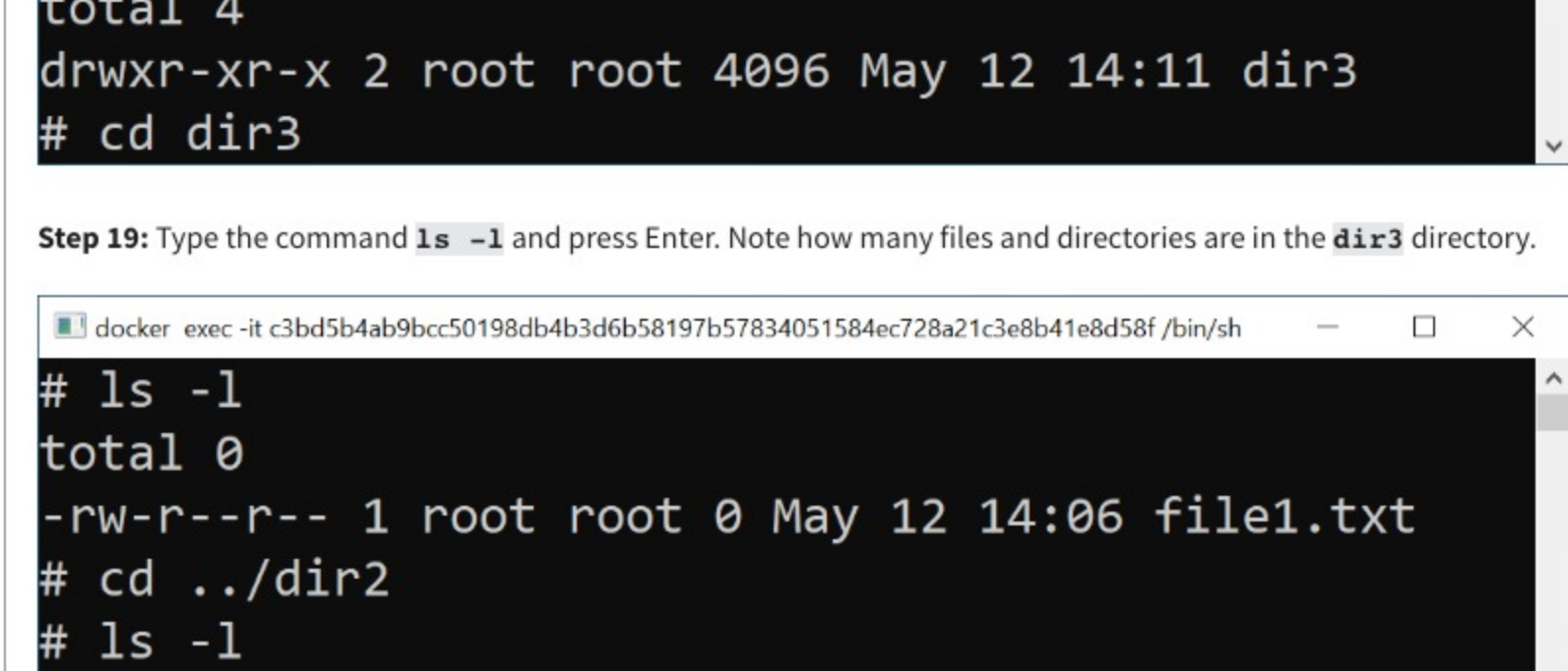
Step 14: Type the command `cd dir1` and press Enter.



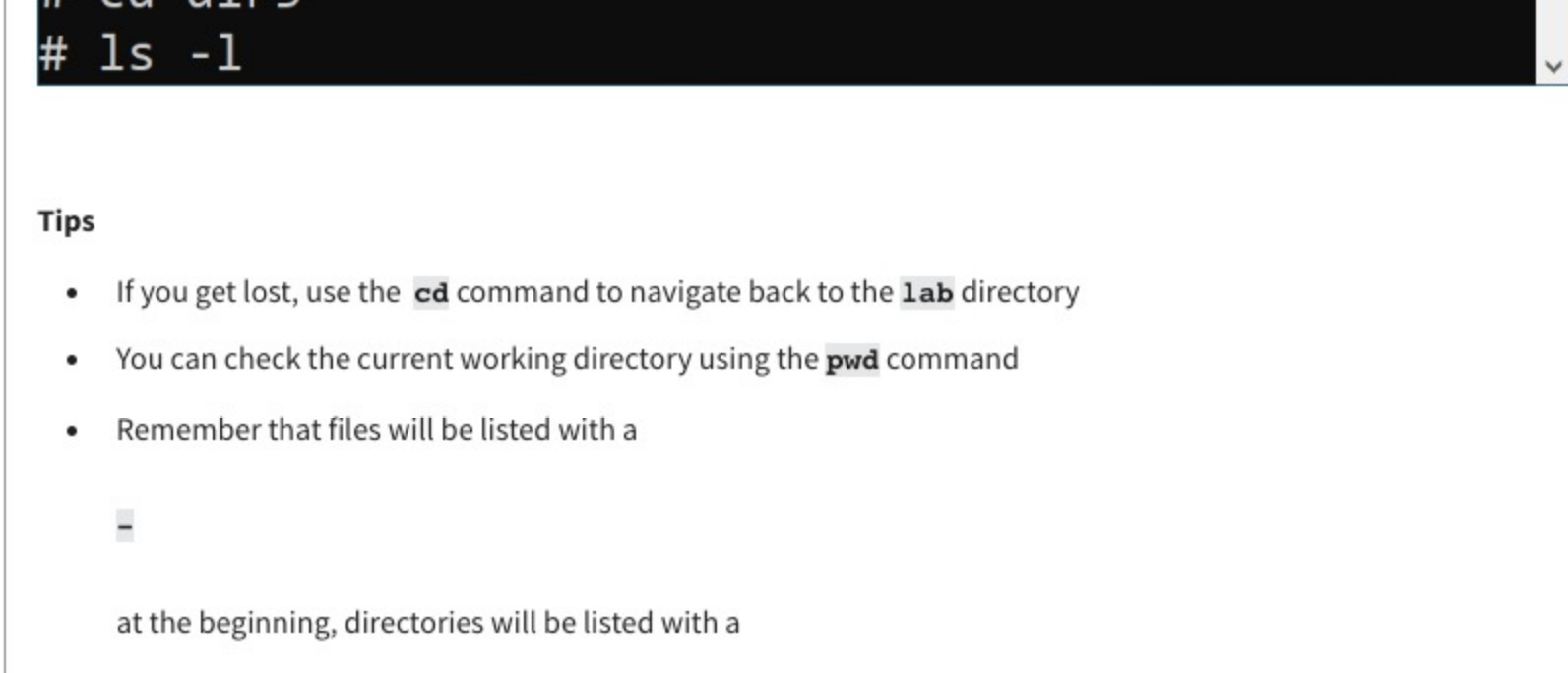
Step 15: Type the command `ls -l` and press Enter. Note how many files and directories are in the `dir1` directory.



Step 16: Type the command `cd ../dir2` and press Enter.



Step 17: Type the command `ls -l` and press Enter. Note how many files and directories are in the `dir2` directory.



Step 18: Type the command `cd dir3` and press Enter.



Step 19: Type the command `ls -l` and press Enter. Note how many files and directories are in the `dir3` directory.

Tips

- If you get lost, use the `cd` command to navigate back to the `lab` directory
- You can check the current working directory using the `pwd` command
- Remember that files will be listed with a `.` at the beginning, directories will be listed with a `./`