

Before you begin, make sure you have access to a Linux-like command line. See the website for help getting set up.

1. Assuming all directories exist and you start in your home directory, what do the following sequence of commands output?
 - (a) `cd one/two`
`cd three`
`cd ../four`
`pwd`
 - (b) `cd /`
`cd ~/dir/..`
`pwd`
 - (c) `cd ~`
`cd ../../../../../../../`
`pwd`
2. Try playing with running `cd` (no arguments) and `cd -` to figure out what these do. (Note that because `cd` is a feature of your shell, and not an external program, there is no man page for `cd`).
3. What is the difference between `ls -a` and `ls -A`?
4. How do you show a `$` at the end of each line when outputting a file with `cat`?
5. Write a sequence of commands to do of the following:
 - (a) Create a directory called `practice`
 - (b) `cd` into that directory
 - (c) Inside the `practice` directory, create a file called `commands.txt`
 - (d) Edit `commands.txt` with `nano` or your favorite text editor, and within it write all the commands you have learned so far. Save the file and exit the text editor.
 - (e) Rename the file to `commands.txt`
 - (f) Copy the file to a file called `week1_commands.txt`
 - (g) Create another directory called `week1`
 - (h) Move `week1_commands.txt` to the `week1` directory
 - (i) Remove `commands.txt`
 - (j) Output the contents of `week1_commands.txt`, with the lines numbered