

# Pop-quiz 1 (CSC 420) – 27 February 2024

**[Ungraded + Anonymous + From memory only + Self-grade]**

Test your knowledge of shell commands from memory! Remember to use `verbose` mode for all commands whenever that's possible and useful!

1. Check your current directory (5):

2. If you're not in your home directory, go there - write down three different commands to get there (15):

3. Create two directories `dir1` and `dir2` in your home directory (15):

- 1) for `dir1`, use an absolute path
- 2) for `dir2`, use a relative path.
- 3) check that these directories exist where they should exist.

4. Create an empty files `test1` in `dir1`, and an empty file `test2` in `dir2`: use two different commands. Check that the files exist (10).

5. Move `test1` into `dir2` and `test2` into `dir1`. Check for success (10).

6. Create a hard link from `test2` to `dir2` and check success (10).

7. Create a soft link from `test1` to `dir1` and check success (10).

8. Remove the hard link in `dir2` without removing the original file, and check success (5).

9. Remove the soft link without removing the original file, and check success (5).

10. Remove `dir1` and `dir2` with one command, and check success (5).

11. How does the operating system keep track of files? (10)

When finished, check your answers in an Org-mode file and grade yourself: \_\_\_\_ / 100