COMMAND LINE INTERFACES

The Basics

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FREELANCE WEB DEVELOPER & LECTURER
IN THE WINCHESTER, HAMPSHIRE AREA.

"COMMAND-LINE INTERFACES ARE OFTEN PREFERRED BY MORE ADVANCED COMPUTER USERS, AS THEY OFTEN PROVIDE A MORE CONCISE AND POWERFUL MEANS TO CONTROL A PROGRAM OR OPERATING SYSTEM."

–Wikipedia

CLI VS GUI

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BOTH HAVE THEIR USES!

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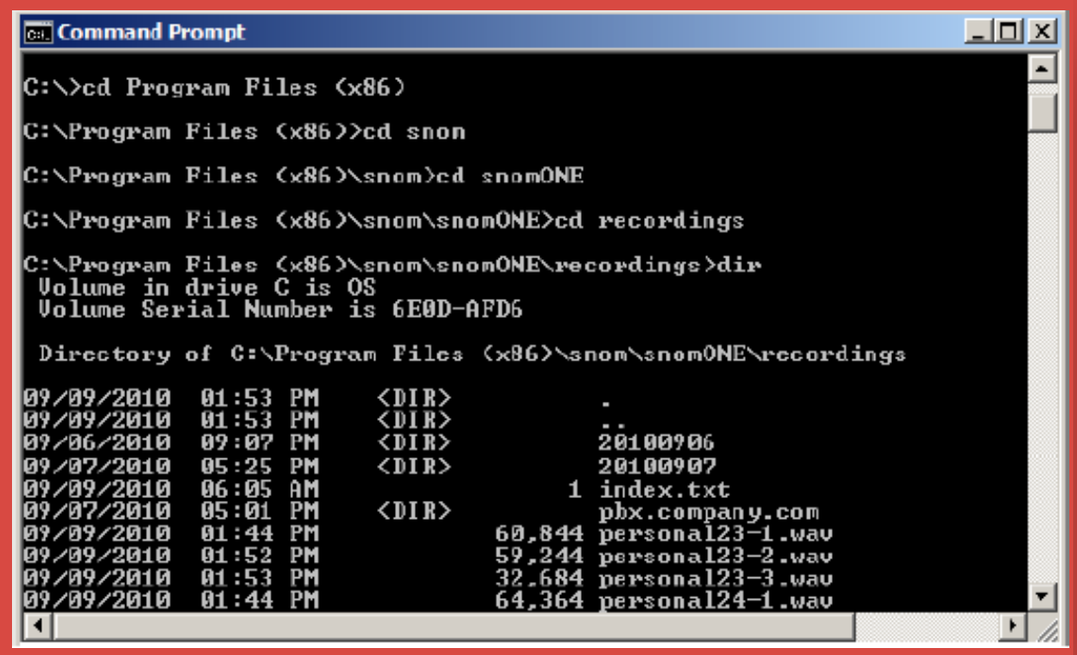
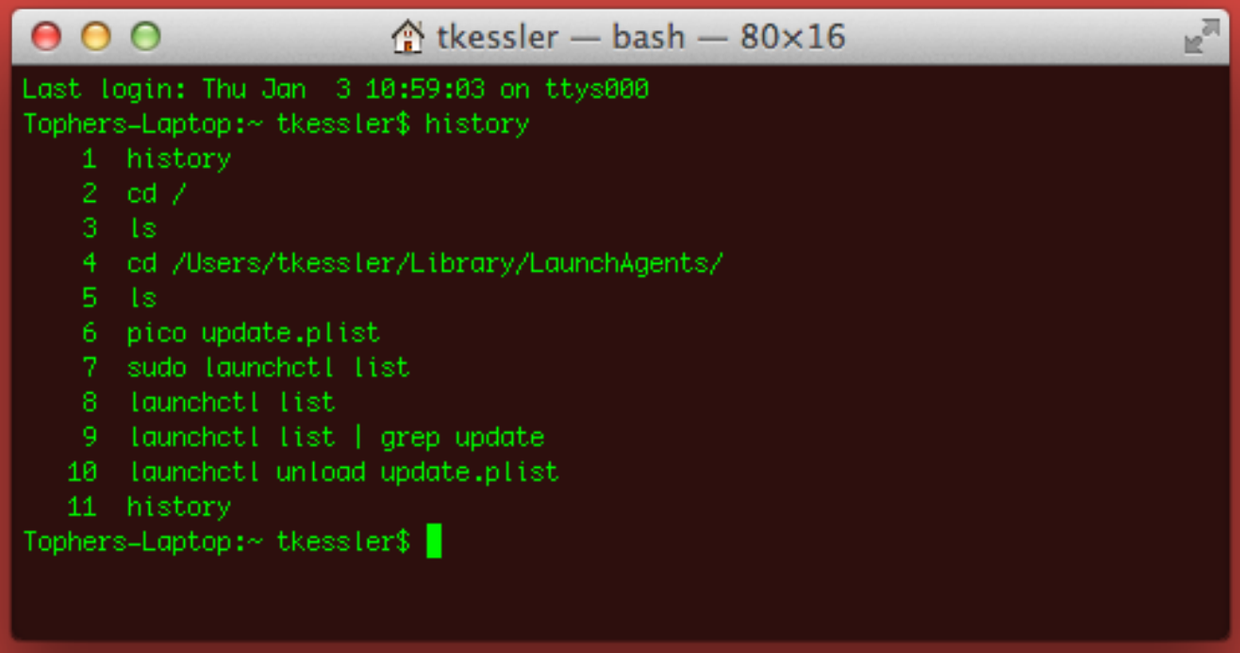
WHERE AM I?

Windows - Command Prompt



Mac - Bash



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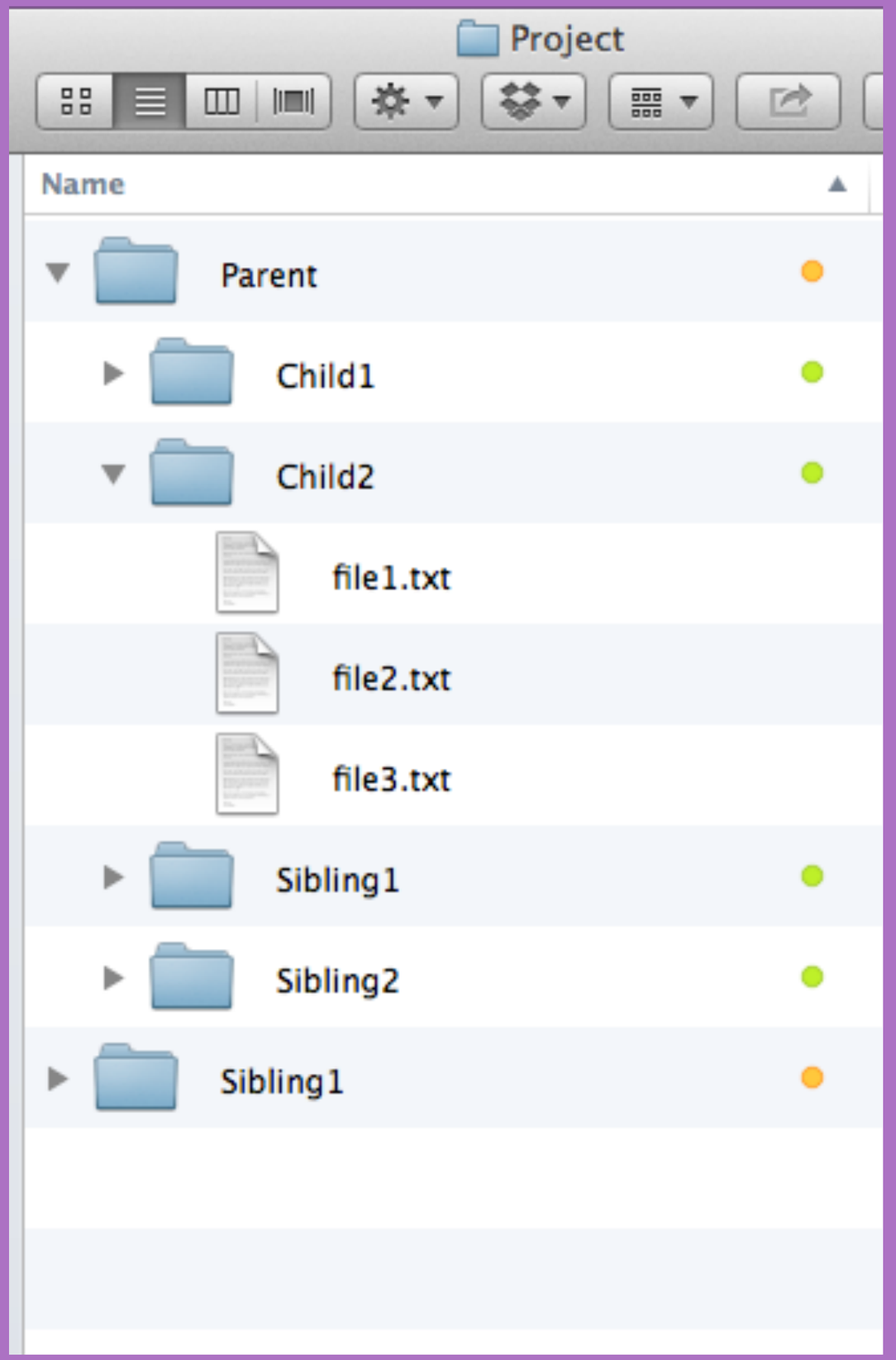
DIRECTORIES OR FOLDERS?

Same thing, but...
Lets call them directories for now.



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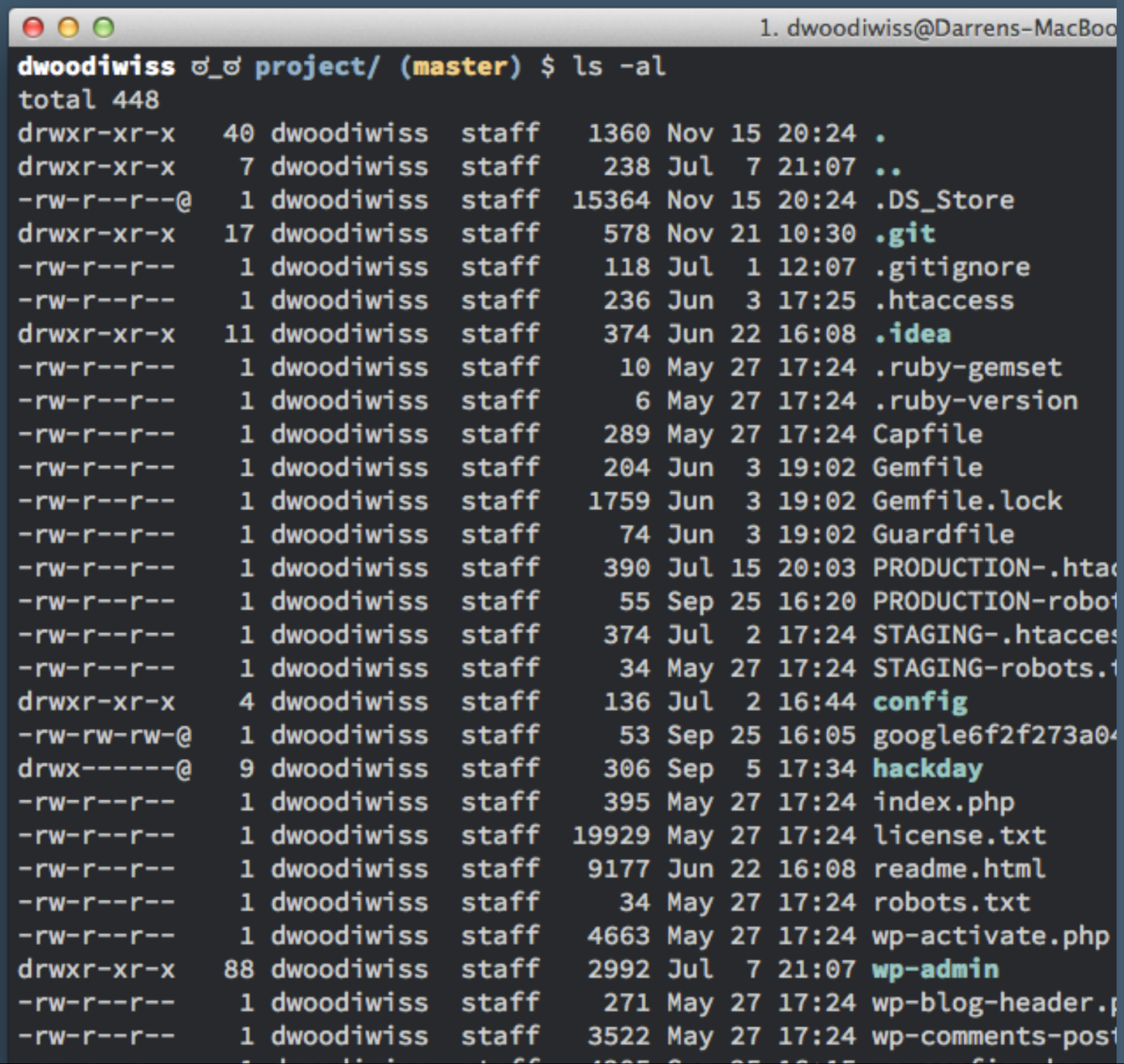
DIRECTORIES FROM THE CLI

- Current directory .
- Parent directory ..



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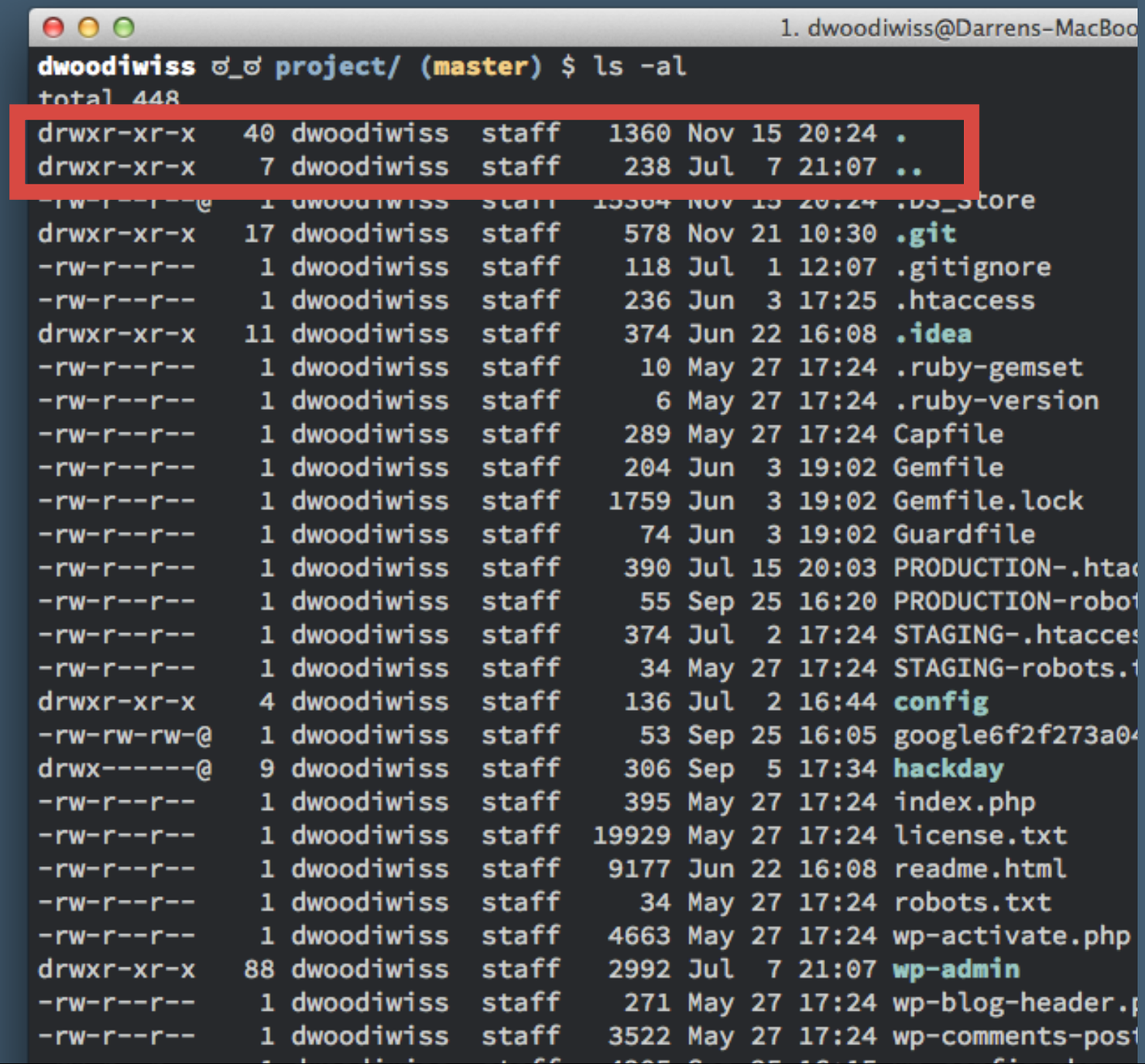
DIRECTORIES FROM THE CLI

- Current directory .
- Parent directory ..



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MOVING AROUND

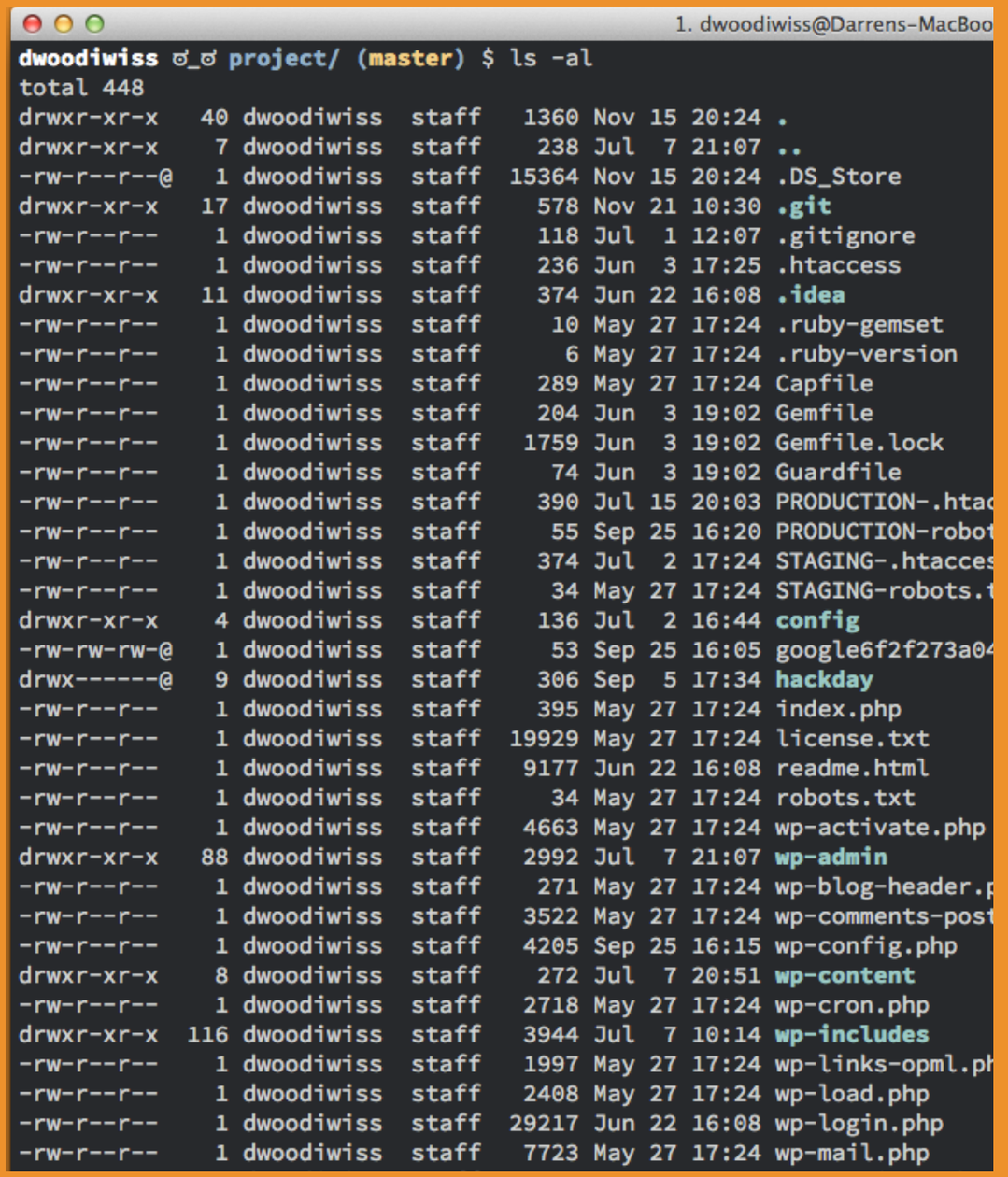
- change directory
- cd path

```
dwoodiwiss ಠ_ಠ Desktop/ $ cd Project/Parent
dwoodiwiss ಠ_ಠ Parent/ $ ls -al
total 16
drwxr-xr-x@ 7 dwoodiwiss  staff   238 Nov 21 10:50 .
drwxr-xr-x  5 dwoodiwiss  staff   170 Nov 21 10:51 ..
-rw-r--r--@ 1 dwoodiwiss  staff  6148 Nov 21 10:51 .DS_Store
drwxr-xr-x@ 2 dwoodiwiss  staff    68 Nov 21 10:50 Child1
drwxr-xr-x@ 6 dwoodiwiss  staff   204 Nov 21 11:16 Child2
drwxr-xr-x@ 2 dwoodiwiss  staff    68 Nov 21 10:50 Sibling1
drwxr-xr-x@ 2 dwoodiwiss  staff    68 Nov 21 10:50 Sibling2
dwoodiwiss ಠ_ಠ Parent/ $
```

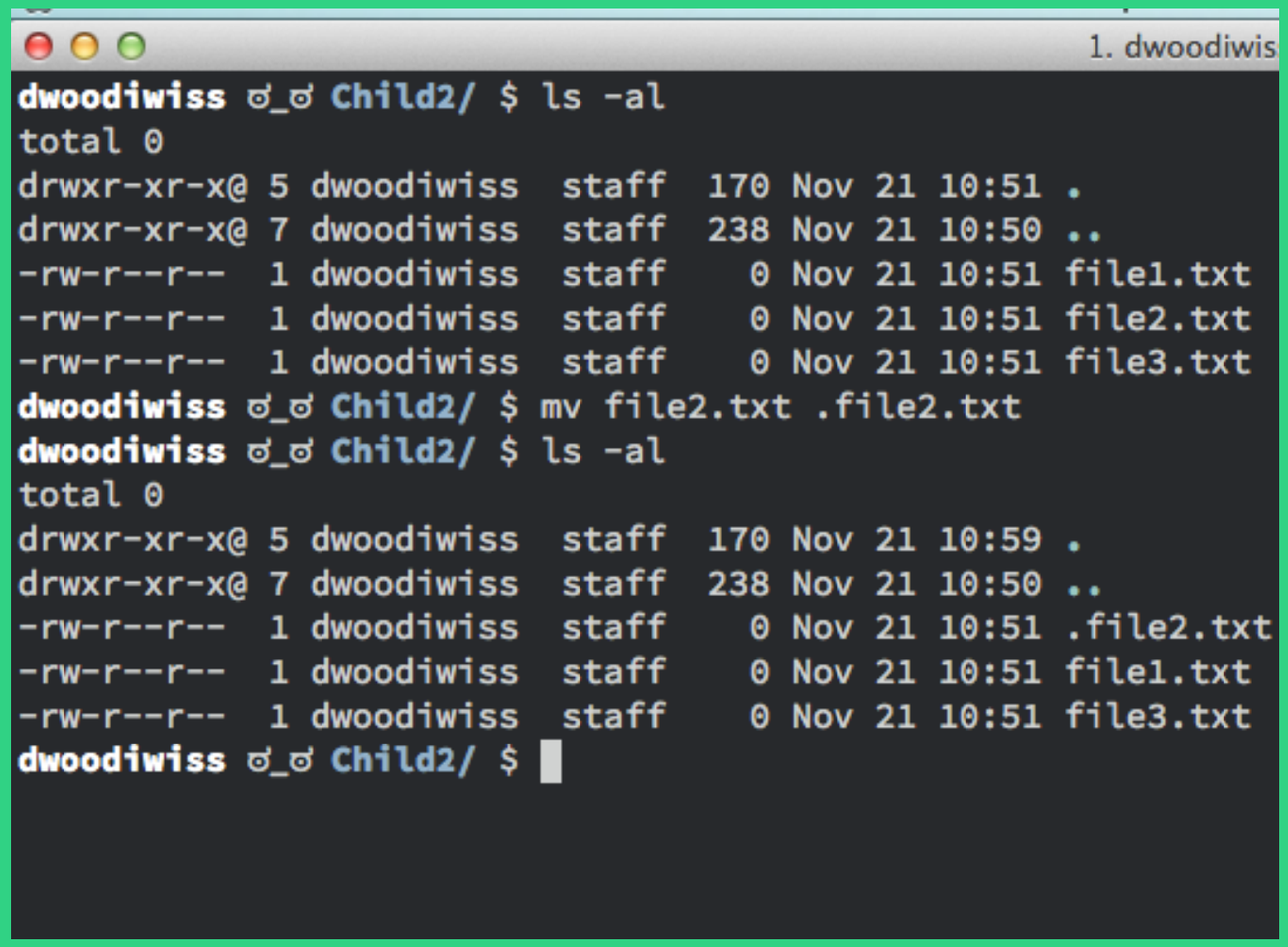
LIST / SHOW FILES

- Unix - ls
- CMD - dir

- Options
  - ls -a
  - dir /a:h



MOVE

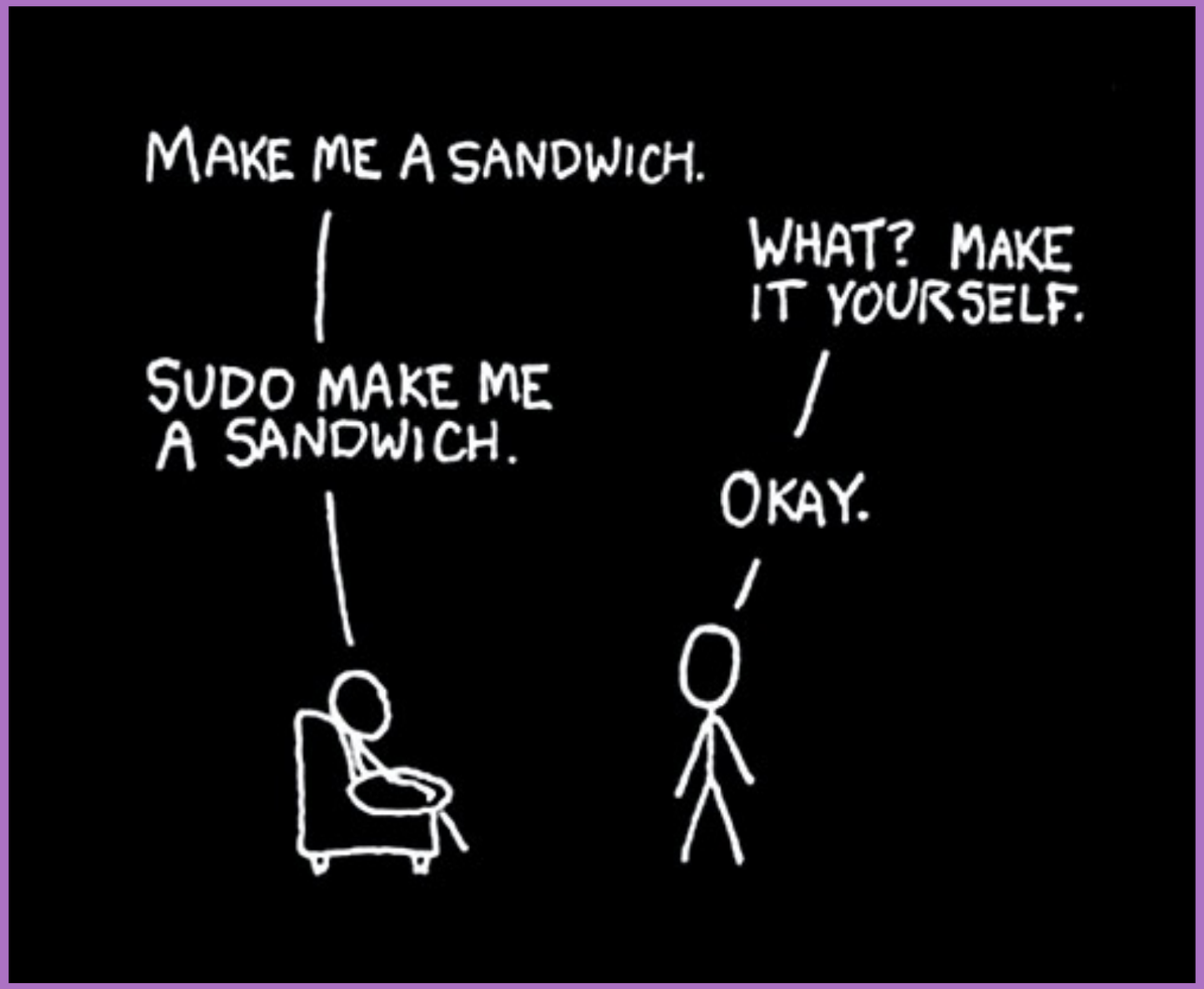


- mv ./file2.txt ./.file2.txt
- move .\file2.txt .\.file2.txt

COPY

- cp ./.file2.txt ./.file4.txt
- copy .\.file2.txt .\.file4.txt

```
dwoodiwiss ಠ_ಠ Child2/ $ ls -al
total 0
drwxr-xr-x@ 5 dwoodiwiss  staff  170 Nov 21 10:59 .
drwxr-xr-x@ 7 dwoodiwiss  staff  238 Nov 21 10:50 ..
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 .file2.txt
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 file1.txt
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 file3.txt
dwoodiwiss ಠ_ಠ Child2/ $ cp .file2.txt ./.file4.txt
dwoodiwiss ಠ_ಠ Child2/ $ ls -al
total 0
drwxr-xr-x@ 6 dwoodiwiss  staff  204 Nov 21 11:16 .
drwxr-xr-x@ 7 dwoodiwiss  staff  238 Nov 21 10:50 ..
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 .file2.txt
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 11:16 .file4.txt
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 file1.txt
-rw-r--r--  1 dwoodiwiss  staff    0 Nov 21 10:51 file3.txt
dwoodiwiss ಠ_ಠ Child2/ $
```



SUDO / RUNAS

Use with caution.

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Is a clever idea.
Especially when using sudo, rm -rf ...

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QUESTIONS?

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