

ATMS 305 Spring 2017 Homework 1

Enter the output of these commands, and save the responses/screen shots in a file called HW1_netid.pdf in your home directory.

1. Connecting and disconnecting

1. Log in to `keeling.earth.illinois.edu` with your netID and password. Log out.
2. Log in again, using a random user name

-> What happens?

2. Create a file

Use `pico` to create a file called `signature.txt` in `/data/atms305/netID`. The file should have the following:

Your name

Your major

Your hometown

Save the file and exit.

3. Directories

These are some exercises to help you get the feel for linux directories.

1. Enter the command `cd blah`

-> What happens?

2. Enter the command `cd . .`

Mind the space between "`cd`" and "`. .`"! Use the **`pwd`** command.

-> What happens?

3. List the directory contents with the **`ls`** command.

-> What do you see?

-> What do you think these are?

-> Check using the **pwd** command.

4. Enter the **cd** command.

-> What happens?

5. Repeat step 2 two times.

-> What happens?

6. Display the contents of this directory.

7. Try the command **cd root**

-> What happens?

-> To which directories do you have access?

8. Repeat step 4.

Do you know another possibility to get where you are now?

4. Files

- Change directory to / and then to etc. Type **ls**; if the output is longer than your screen, make the window longer, scroll, or try **Shift+PageUp** and **Shift+PageDown**.

The file **inittab** contains the answer to the first question in this list. Try the **file** command on it.

-> The file type of my **inittab** is

- Use the command **cat inittab** and read the file.

-> What is the default mode of your computer?

- Return to your home directory using the **cd** command.
- Enter the command **file .**

-> Does this help to find the meaning of "."?

- Can you look at "." using the **cat** command?
- Display help for the **cat** program, using the **--help** option. Use the option for numbering of output lines to count how many users are listed in the file **/etc/passwd**.

5. Getting help (when you don't have Google)

- Read **man** *intro*
- Read **man** *ls*
- Read **info** *passwd*
- Enter the **apropos** *pwd* command.
- Try **man** or **info** on **cd**.

-> How would you find out more about **cd**?

- Read **ls --help** and try it out.