

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 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.

- Enter the command **cd blah**

-> What happens?

- Enter the command **cd ..**

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

-> What happens?

- List the directory contents with the **ls** command.

-> What do you see?

-> What do you think these are?

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

- Enter the **cd** command.

-> What happens?

- Repeat step 2 two times.

-> What happens?

- Display the content of this directory.
- Try the command **cd root**

-> What happens?

-> To which directories do you have access?

- 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, 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

- 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.