

# Schulman, Samuel – HW1

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**Ex1 - What is your home directory? What files/folders exist in your home directory? Navigate to it and then navigate back to your notes.**

```
cd /Users/sammy_schulman
## Home Directory
pwd

## Navigating to my school work directory as not to reveal perosnal documents
cd 'American University Work'

pwd

ls

## /Users/sammy_schulman
## /Users/sammy_schulman/American University Work
## AU Fall 22'
## AU Fall 23'
## AU Spring 22'
## AU Spring 23'
## AU Spring 24'
## AU Summer 22'
## AU Summer 23'
## AU Summer 24'
## Other
## ~$Book2.xlsx
```

My home directory is my user folder /Users/sammy\_schulman. I changed it to be my American University Work folder because I keep some personal documents in that folder, but using ls I was able to show what was in my AU work folder. I also showed an ability to navigate working directories by utilizing the cd command.

**Ex2 - Where does the following command take you? How does it work? cd**

**~/../../..**

The following command is used to take you from your home directory (or current directory) back three levels. So if you were in your home directory on a mac it would send you all the way back to the root directory.

### Ex3 - Read the manual page of ls. What does the a flag do? What does the l flag do?

```
man ls
```

The a flag includes all files, even those that are normally hidden on the surface. The l flag lists the files in a more detailed format. I used the 'man' function to get this manual to pop up, but did not include it in my output because of its length.

### Ex4 - Create a new file with touch command. for instance touch myfile.txt. Run stat myfile.txt what information do you get?

```
touch myfile.txt
```

```
stat myfile.txt
```

```
## 16777234 37472129 -rw-r--r-- 1 sammy_schulman staff 0 108 "Jul  7 13:47:27 2024" "Jul  7 13:47:27 2024" "Jul  7 13:47:27 2024" "Jul  7 13:35:26 2024" 4096 8 0 myfile.txt
```

The stat command from the created file shows the time of access, when it was born, and the time it was modified and changed.

### Ex5 - Run ls and from there list select a file. Now run 'ls -l' to display the details of the files, showing that it has been created or updated. what information does it give you regarding the myfile.txt and your selected file.

```
cd /Users/sammy_schulman
```

```
pwd
```

```
ls -l myfile.txt
```

```
ls -l "American University Work"
```

```
## /Users/sammy_schulman
## -rw-r--r--  1 sammy_schulman  staff  27 Jul  7 13:34 myfile.txt
## total 8
## drwxr-xr-x  10 sammy_schulman  staff  320 Aug 29  2022 AU Fall 22'
## drwxr-xr-x   8 sammy_schulman  staff  256 Sep 27  2023 AU Fall 23'
## drwxr-xr-x@ 13 sammy_schulman  staff  416 May  3  2022 AU Spring 22'
## drwxr-xr-x   8 sammy_schulman  staff  256 Jan 17  2023 AU Spring 23'
## drwxr-xr-x   8 sammy_schulman  staff  256 Apr  3 12:18 AU Spring 24'
## drwxr-xr-x@  4 sammy_schulman  staff  128 Jun 22  2022 AU Summer 22'
## drwxr-xr-x   4 sammy_schulman  staff  128 May 24  2023 AU Summer 23'
## drwxr-xr-x   5 sammy_schulman  staff  160 Jul  3 17:42 AU Summer 24'
## drwxr-xr-x  13 sammy_schulman  staff  416 Jul  6 15:00 Other
## -rw-r--r--@  1 sammy_schulman  staff  165 Nov 30  2021 ~$Book2.xlsx
```

The output for ls -l shows the permissions, followed by the number of files within the folder/file, the owner name, the group name, the file size, the last date (and time if it's the current year) the file was modified, and the name of the file/folder.

**Ex6 - Add the following line This line is my first line to myfile.txt. Then run cat myfile.txt to show the line is added.**

```
echo "This line is my first line" >> myfile.txt  
cat myfile.txt
```

```
## This line is my first line  
## This line is my first line  
## This line is my first line  
## This line is my first line  
## This line is my first line
```

**Ex7 - Run touch myfile.txt then run ls -l myfile.txt does the “timestamp” for the file myfile.txt is updated? Show the output. Note: Another common use of the touch command is to update the timestamps of an existing file.**

```
touch myfile.txt  
ls -l myfile.txt
```

```
## -rw-r--r--  1 sammy_schulman  staff  135 Jul  7 13:47 myfile.txt
```

The timestamp was updated to when I ran “touch myfile.txt.”