

# CSC3320 System Level Programming

## Lab Assignment 2 - Part 2 (Out-of-lab)

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**Purpose:** Practice with the basic utilities for managing files and directories in terminal.

### Notes:

- Due same day next week by 11:59.
- Write a **report by answering the questions** and upload the report (called Lab2\_FirstNameLastName.pdf or Lab2\_FirstNameLastName.doc) to Google Classroom no later than **11:59 pm a week from the day are taking this lab session**.

Open your terminal and connect to snowball. Change your directory to your home directory (**cd ~**), and then create a new directory named as “Lab2\_P2” (**mkdir Lab2\_P2**). After that, go to directory Lab2\_P2 (**cd Lab2\_P2**) and download a test file by the following command (internet access required):

```
cp /home/frondel1/public/RealEstate.csv .
```

Be sure it succeeds using “**ls**” to see the file name “RealEstate.csv” listed.

**Then please write the commands you will issue to complete the following tasks step by step. (You cannot use *cd* to change the working directory during the steps except step (9). Each task requires only *one command*)**

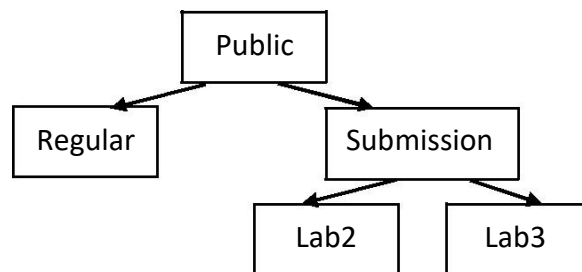
(1) You may be curious about what information is stored in this file. So please use **cat** to display the content in "RealEstate.csv " using a relative pathname.

(2) We know that **cat** is good for showing the content of a small file. But since the file contains many lines, maybe you still cannot find out what information this files stores after step (1). So please use **head** to list the first three lines in "RealEstate.csv ".

(3) Use **wc** to check the number of homes sold out in "RealEstate.csv ".

(4) Finish the task in step (3) by using the **cat** command.

- (5) Use **mkdir** to create a new directory "public" under your own home directory using relative pathname.
- (6) Copy "RealEstate.csv" into your "public" directory and name it as "myRealEstate.csv".
- (7) Display the absolute pathname for current working directory.
- (8) Check the existence of "myRealEstate.csv" using **ls** with an absolute pathname.
- (9) Go into your "public" directory using relative pathname.
- (10) Use **mkdir** to create a file structure as below in your "Public" directory using relative pathnames.



- (11) Rename the directory "Regular" as "Others".
- (12) Use **cp** to copy directory "Lab2\_P2" from your home directory to "Lab2" using relative pathname.
- (13) Remove the directory "Lab2\_P2" which locates at your home directory.
- (14) Use **history** to list the commands you previously typed.
- (15) Store the last 50 commands you typed neatly into a file "Lab2\_2.txt", **one command per line** and submit it in Google Classroom.