CSC3320 System Level Programming
Lab Assignment 2 - Part 2 (Out-of-lab)
Instructor: Fil Rondel

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.

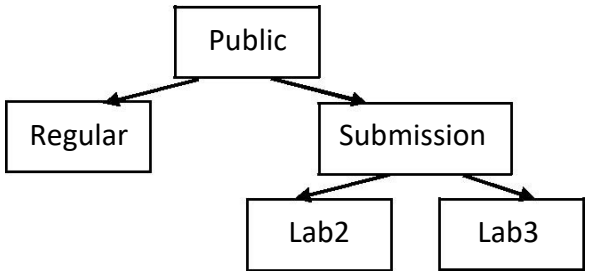
(6) Copy "RealEstate.csv" into your "public" directory and name it as "myRealEstate.csv".

(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.