

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.

```
cat RealEstate.csv
```

(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 file stores after step (1). So please use head to list the first three lines in "RealEstate.csv".

```
head -n 3 RealEstate.csv
```

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

```
wc -l RealEstate.csv
```

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

```
cat -b RealEstate.csv
```

(5) Use mkdir to create a new directory "public" under your own home directory using relative pathname.

```
mkdir ../public
```

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

```
cp RealEstate.csv myRealEstate.csv
```

```
cp myRealEstate.csv ../public
```

(7) Display the absolute pathname for current working directory.

```
pwd
```

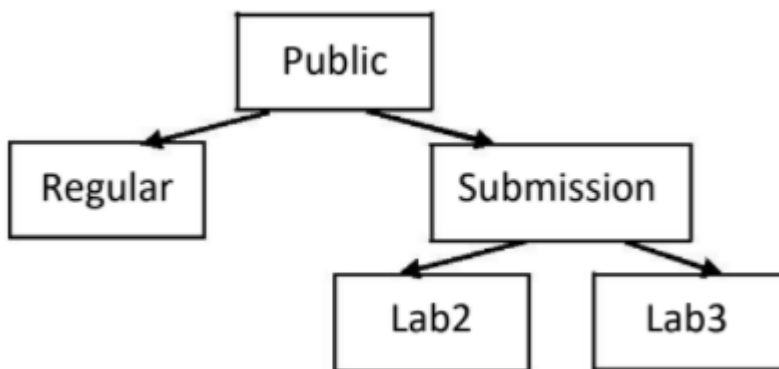
(8) Check the existence of "myRealEstate.csv" using ls with an absolute pathname.

```
ls /home/kgallardowepster1/public
```

(9) Go into your "public" directory using relative pathname.

```
cd ../public
```

(10) Use mkdir to create a file structure as below in your "Public" directory using relative pathnames.



```
mkdir Regular Submission Submission/Lab2 Submission/Lab3
```

(11) Rename the directory "Regular" as "Others".

```
mv -i Regular Others
```

(12) Use cp to copy directory "Lab2_P2" from your home directory to "Lab2" using relative pathname.

```
cp -ir ../Lab2_P2 Submission/Lab2
```

(13) Remove the directory "Lab2_P2" which locates at your home directory.

```
rm -fir ../Lab2_P2
```

(14) Use history to list the commands you previously typed.

```
history
```

(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.

```
543  pwd
544  cp -i RealEstate.csv myRealEstate.csv
545  ls
546  rm -fir myRealEstate.csv
547  ls
548  cp RealEstate.csv myRealEstate.csv
549  ls
550  cp myRealEstate.csv ../public
551  ls
552  pwd
553  cd ..
554  pwd
555  ls
556  cd public
```

```
557 ls
558 cd ..
559 ls
560 cd Lab2_P2
561 ls
562 pwd
563 cd ../public
564 pwd
565 cd ..
566 clear
567 pwd
568 ls
569 rm -fir Lab2_P2 public
570 y
571 pwd
572 ls
573 history
574 cd ~
575 mkdir Lab2_P2
576 cd Lab2_P2
577 cp /home/bbellol/public/RealEstate.csv .
578 ls
579 cat RealEstate.csv
580 head -n 3 RealEstate.csv
581 cat -b RealEstate.csv
582 mkdir ../public
583 cp RealEstate.csv myRealEstate.csv
584 cp myRealEstate.csv ../public
585 pwd
586 ls /home/kgallardowepster1/public
587 cd ../public
588 mkdir Regular Submission Submission/Lab2 Submission/Lab3
589 mv -i Regualr Others
590 mv -i Regular Others
591 cp -ir ../Lab2_P2 Submission/Lab2
592 rm -fir ../Lab2_P2
593 history
kgallardowepster1@gsuad.gsu.edu@snowball public]$ 543 pwd
bash: 543: command not found
577 cp /home/bbellol/public/RealEstate.csv .
578 ls
579 cat RealEstate.csv
580 head -n 3 RealEstate.csv
581 cat -b RealEstate.csv
582 mkdir ../public
583 cp RealEstate.csv myRealEstate.csv
584 cp myRealEstate.csv ../public
585 pwd
586 ls /home/kgallardowepster1/public
587 cd ../public
588 mkdir Regular Submission Submission/Lab2 Submission/Lab3
589 mv -i Regualr Others
590 mv -i Regular Others
591 cp -ir ../Lab2_P2 Submission/Lab2
592 rm -fir ../Lab2_P2
593 history
```