Part 2

- 1. Use vi to open "RealEstate.csv".
 - a. \$vi RealEstate.csv
- 2. Move the cursor to the last line (without knowing the number of last line)
 - a. Press escape twice then Capital G
 - b. esc esc G
- 3. Display line number.
 - a. Enter command mode with escape then colon set number
 - b. esc :set number
 - c. Last line number is 9316
- 4. Search for the transaction for the estate located at "111 EAST"
 - a. Enter Command mode with escape / 111 EAST
 - b. esc /111 EAST
 - c. Which line is this string located? (Please just write down the line number)
 - i. The string is located on line 58
 - d. Delete this line.
 - i. Enter command mode and press dd
 - ii. esc dd
- 5. Move the cursor to the line 50.
 - a. Enter command mode, colon 50
 - b. esc:50
- 6. Substitute all commas "," with colon ":" from line 50 to line 54.
 - a. Enter command mode, colon 50,54 s/, /: /global

b. esc:50,54s/,/:/g 7. Copy line 50 to line 54 to the end of file. a. Enter command modeGo to line 50, copy 5 lines with y5 then go to end of the page with G and paste with p b. esc:50 enter c. :y5 enter d. G e. p 8. Remove line 50 to line 54. a. :50,54d 9. Describe how to enter the text mode and insert a new line "Recorded in year 2008" between line 1 and line 2. a. Go to line 1:1, then enter command mode and hit lowercase o to add a blank line between 1 and 2. Then press lowercase i to insert then type "Recorded in year 2008" b. :1 C. O d. i e. "Recorded in year 2008" 10. Switch back to command mode. a. Press escape 11. Save the file and quit vi. a. esc:wq

Part 3

[ttahir1@gsuad.gsu.edu@snowball Lab3]\$ cat Try.c 1 cat: Try.c: Permission denied

- 2. Check the file permissions for file "Try.c" again. And explain the meaning of each character in the file permission string.
 - a. The file permission is -r--r--
 - b. This means that owner,group, and public can only read this file they can not write or execute the file
- Can you find some error message at the bottom of the screen? If yes, what is it and how to guit the vi editor without saving the modification.
 - a. Yes there is an error message that says "'readonly' option is set (add ! to override)" to quit the vi editor you must type :wq! Which lets you leave the editor without saving what you did.
- 4. Use chmod to add write permission to all the users for "Try.c".
 - a. chmod 666 Try.c
- 5. Check the file permissions for file "Try.c" again. And explain the meaning of each character in the file permission string.
 - a. The file permission is -rw-rw-rw-
 - b. This permission means that each group, the owner, group, and public can read the file and write in it. r means read and the w means write, while the empty - after the first one means that nobody has the write to execute the file.

| Owner's | ls | mkdir | cat > | rm | ср | cd |
|-------------|---------------------|----------------------------|----------------|-----------------------|-----------------------------|--------------------------|
| permissions | A. Read contents | B. Create sub-directory | C. Create file | D. Remove contents | E. Copy contents from | F. Enter in directory |
| | N | N | N | N/A | N/A | N |
| x | N | N | N | N/A | N/A | Υ |
| -W- | N | N | N | N/A | N/A | N |
| -WX | N | Υ | Υ | Υ | Υ | Υ |
| r | Υ | N | N | N/A | N/A | N |
| r-x | Υ | N | Υ | N/A | Υ | Υ |
| rw- | Υ | N | N | N/A | N/A | N |
| rwx | Υ | Υ | Υ | Υ | Υ | Υ |