3)Use vi to open "RealEstate.csv".
$vi RealEstate.csv
4) Move the cursor to the last line (without knowing the number of last line).
G

5) Display line number.
:set number

6) Search for the transaction for the estate located at "111 EAST"
/111 EAST
Which line is this string located? (Please just write down the line number)?
896
Delete this line.
DD

7) Move the cursor to the line 50.
50G

8) Substitute all comma "," with colon ":" from line 50 to line 54.
50,54 s/,/:/g

9) Copy line 50 to line 54 to the end of file.
:50,54y
G
p

10)Remove line 50 to line 54.
:50,54d

11) Describe how to enter the text mode and insert a new line "Recorded in year 2008" between line 1 and line 2.
gg to go back to first line
Hit Esc to command mode
o (lowercase o)
Press i to insert text
Type recorded in year 2008
12) Switch back to command mode.
Hit Esc to command mode
:

13) Save the file and quit vi.
:wq

Part 3:
10) Try read "Try.c" again using cat.

```
[jgriffith17@gsuad.gsu.edu@snowball Lab3]$ cat Try.c
cat: Try.c: Permission denied
```

15) Can you find some error message at the bottom of the screen? If yes, what is it and how to quit the vi editor without saving the modification.
Read only option is set(add ! to overwrite)
:q!

16) Use chmod to add write the permission to all the users for "Try.c".
$chmod 666 Try.c

17) Check the file permissions for file "Try.c" again. And explain the meaning of each character in the file permission string.

rw-rw-rw-
First three says that Owner has read write permissions
Second three says that the users in the same group as owner have read write permissions
Third three says all other user have read write permissions

Part 4: Permissions for directories

Owners permissions	ls	mkdir	cat>	rm	cp	cd
	read	Create sub dir	Create file	Remove contents	Copy contents	Enter into directory
---	N	N	N	N/A	N/A	N
--x	N	N	N	Y	N/A	Y
-w-	N	Y	Y	Y	Y	Y
-wx	N	Y	Y	Y	Y	Y
r--	Y	N	N	N	N	N
r-x	Y	N	N	Y	N	Y
rw-	Y	Y	Y	Y	Y	Y
rwx	Y	Y	Y	Y	Y	Y