**Mahi Berhanu**

**Lab 3**

**Part 2:**

1. cd ~/Lab3
2. cp /home/bbello1/Public/RealEstate.csv .
3. vi RealEstate.csv
4. :$
5. :set number

* :/111 East
* It is located on line 58
* Hit Esc twice then type dd

1. :50
2. :50,54s/,/:/g
3. 1. :50
   2. :5y
   3. Essc +Shift +G + $
   4. :p
4. :50,54d
5. First type :1 to go to line 1 then click $ to go to the end of line 1. Then click Esc + o to create a new line between line 1 and 2. Then click on Esc + i to be able to type and type the text.
6. Click Esc twice
7. :wq

**Part 3:**

10. 

11. The permission for this file is listed as -r--r--r--. This means that the owner, others that are in the same group as the owner and others that are in a different group all have only reading permission. The - lines shows that they don’t have permission for the write and execute action.

15. It gave me an error: E45: 'readonly' option is set (add ! to override). To quit the vi without saving it use : q!

16. chmod 666 Try.c

17. ls -l Try.c The left 3 characters show that the owner has the permission to read and write. The middle 3 characters show that the others that are in the same group as the owner have the permission to read and write. The last 3 characters to the right show that the others that are in a different group from the owner have the permission to read and write as well. “-” this shows that they don’t have permission.

**Part 4:**

| Owner’s Permission | ls | mkdir | cat > | rm | cp | cd |
| --- | --- | --- | --- | --- | --- | --- |
| A. Read Contents | B. Create Sub-Directory | C. Create file | D. Remove Contents | E. Copy contents from | F. Enter into directory |
| --- | N | N | N | N/A | N/A | N |
| --x | N | N | N | N/A | N/A | Y |
| -w- | N | N | N | N/A | N/A | N |
| -wx | N | Y | Y | Y | Y | Y |
| r-- | N | N | N | N/A | N/A | N |
| r-x | Y | N | Y | N/A | Y | Y |
| rw- | N | N | N | N/A | N/A | N |
| rwx | Y | Y | Y | Y | Y | Y |