

Cuong Hoang

CSC3320

Lab Assignment 3 (Post-Lab)

Part 1:

```
[choang7@gsuad.gsu.edu@snowball Lab3]$ vi Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ cat Try.c
#include <stdio.h>
#include <stdlib.h> /* For exit() function */
int main(int argc, char *argv[])
{
    FILE *FPTR;
    FPTR=fopen("program.txt","a+");
    if (FPTR==NULL) {
        printf("Error!");
        exit(1);
    }
    fprintf(FPTR,"program is written");
    printf("program is written in program.txt");
    fclose(FPTR);
    return 0;
}
```

Part 2:

- 3) vi RealEstate.csv
- 4) in Command mode (ESC), use 'G' to move to the beginning of the last line, then use '\$' to move the cursor to the end of the last line.
- 5) in Command mode (ESC), type ':set number'.
- 6) in Command mode (ESC), type ':/111 EAST/'.

This string located at line 896. Type 'dd' and hit enter to delete the current line.

- 7) In Command mode (ESC), type ':50'.
- 8) In Command mode (ESC), type ':50,54s/,./g'.
- 9) In command mode (ESC)
 - a. Copy line 50 to 54: ':50,54y'.
 - b. Move the cursor to the end of the file like in question 4.
 - c. Press p.
- 10) In Command mode (ESC), type ':50,54d'.
- 11) In Command mode (ESC), type ':1' and press '\$' to move to the cursor to the end of line 1. Press 'i' to enter insert/text mode. Move the cursor with arrow key, press enter to insert a new line. Type in "Recorded in year 2008".
- 12) Press ESC to switch back to command mode.
- 13) Type ':wq' to save and quit vi.

Part 3:

10)

```
[choang7@gsuad.gsu.edu@snowball Lab3]$ ls -l Try.c
-rwxrw-r--. 1 choang7@gsuad.gsu.edu choang7@gsuad.gsu.edu 334 Feb  4 09:33 Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ chmod u-r Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ ls -l Try.c
--wxrw-r--. 1 choang7@gsuad.gsu.edu choang7@gsuad.gsu.edu 334 Feb  4 09:33 Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ vi Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ cat Try.c
cat: Try.c: Permission denied
[choang7@gsuad.gsu.edu@snowball Lab3]$
```

12)

```
[choang7@gsuad.gsu.edu@snowball Lab3]$ chmod 444 Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ ls -l Try.c
-r--r--r--. 1 choang7@gsuad.gsu.edu choang7@gsuad.gsu.edu 334 Feb  4 09:33 Try.c
```

the first character '-' means this is a regular file.

the next 3 character 'r--' means that the owner of file can only read the file.

the next 3 character 'r--' means that the other users in the same group as the owner can only read the file.

The last 3 character 'r--' means that the other users in the other groups different from owner can only read the file.

15) the error message: “E45: ‘readonly’ option is set (add ! to override)”.

```
#include <stdio.h>
#include <stdlib.h> /* For exit() function */
int main(int argc, char *argv[])
{
    FILE *FPTR;
    FPTR=fopen("program.txt","a+");
    if (FPTR==NULL) {
        printf("Error!");
        exit(1);
    }
    fprintf(FPTR,"program is written");
    fclose(FPTR);
    return 0;
}
```

E45: 'readonly' option is set (add ! to override) 13,4 All

In command mode (ESC), type `:q!` to quit the vi editor without saving the modification.

16) add write permission to all the users for file "Try.c" with the following command:

```
$ chmod ugo+w Try.c
```

17) check the file permission for file “Try.c” with the following command

\$ ls -l Try.c

```
[choang7@gsuad.gsu.edu@snowball Lab3]$ chmod ugo+w Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$ ls -l Try.c
-rw-rw-rw-. 1 choang7@gsuad.gsu.edu choang7@gsuad.gsu.edu 334 Feb  4 09:33 Try.c
[choang7@gsuad.gsu.edu@snowball Lab3]$
```

The first character ‘-’ indicates this is a regular file

The next 3 characters ‘rw-’ means the owner of the file can only read and write the file.

The next 3 characters ‘rw-’ means the other users in the same group as the owner can only read and write the file.

The last 3 characters ‘rw-’ means the other users in the other groups different from the owner can only read and write the file.

Part 4:

Owner's permissions	ls	mkdir	cat >	rm	cp	cd
	A. Read contents	B. Create sub-dictionary	C. Create file	D. Remove contents	E. Copy contents from	F. Enter into dictionary
---	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--	Y	N	N	N/A	N/A	N
r-x	Y	N	Y	N/A	Y	Y
rw-	Y	N	N	N/A	N/A	N
rwX	Y	Y	Y	Y	Y	Y