

EECS678

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Lab 1 report

I use Vim for my lab 1.

1. Firstly opening terminal, then I used "**cd**" command to find the directory of the folder of my lab files. After that, I typed "**vim simple.c**" to open a C file. In "simple.c" file, by typing "**12yy**" command, I copied the first 12 lines of this file. Next, I used "**:e!**" command to create three new files which named "a.c", "b.c" and "c.c", and typed "**P**" command to paste the copied content into these three new files orderly. Each time completing the pasting of one file, I would type "**:w**" to save the current one and typed "**:e!**" to start a new one. After all of the three files done, I used "**:q**" to quit the editor.
2. In this step, I typed "**:Sex**" to spilt the screen horizontally at first. In the new screen, I commanded "**:edit! Simple.h**" to open the file "simple.h". After that, I used "**<c-w>w**" to switch between these two files for editing and issuing commands.
3. In the screen, I first typed "**ctags - R**" to set a tag, and then I typed "**<c-]>**" to jump to the declaration of the function. After done with it, I used "**<c-t>**" to back to the spot I jumped from.
4. In order to remove the whitespace from the beginning of every line, I commanded "**:g/^\s*\$ /d**" to remove all the new lines. After that, I typed "**: %s/^\s\++**" to remove all the spaces and tabs from the beginning of every line.
5. In the final step, I used "**:%s/Bill Self/basketball genius Bill Self/g**" to replace every occurrence of string "Bill Self" in my source file. After done with this, I typed "**: set textwidth=80**" at first, then I typed "**gggqG**" to apply my new textwidth to the whole buffer.