EECS 678: Lab 1

Henceforth annotations will be notated with the c convention double forward slash

1. Copy the first 12 lines of text from simple.c to three new files

```
//    Lets first open the provided laboratory file
//    and the other files a.c, b.c, c.c
$     vim simple.c
      :e a.c
      :e b.c
      :e c.c
//    lets switch back to the simple.c buffer
      :bnext
//    Now, we want to copy the first 10 lines of the file
      :0,10y
//    Lines 0 through 10 have now been yanked
//    lets paste them into the other buffers and write the changes
      :bnext
      P
      :w
      :bnext
      P
      :w
      :bnext
      P
      :w
      :bnext
```

2. Open two different source files for editing

```
//    let’s begin by opening the files needed
$     vim simple.c
      :e a.c
//    Switch back to the original buffer and list them for convenience
      :bnext
      :buffers
//    Now let’s split the two buffers in a view
      :vert sb 2
//    Finally, let’s make some edits and finish up
      i "//edit<enter>"
      :w
      <ctrl-w> w
      i "//edit<enter>"
      :w
//    Close the current buffer and quit
      :bd
      :q
```

3. Find the function declaration

```
//    Start ctags and create a tags database for the project directory
$     ctags -R
//    Now, movement commands now function as expected
$     vim simple.c
      <ctrl-]>
      <ctrl-t>
```

4. Remove all leading whitespace (including newlines, tabs, spaces), let's use a regex!

```
$     vim simple.c
      //regex stems from (http://vim.wikia.com/wiki/Remove_unwanted_spaces)
      :%s/^\s\+
      :%s/^\n\+
```

5. replace every occurrence of 'Bill Self' with the string 'basketball genius Bill Self'

```
//    To replace every occurrence of the string we'll use this syntax
      :%s/Bill Self/basketball genius Bill Self/g
//    Next to highlight the whole file and enforce auto formatting
//    We'll first use 'gg' (which moves to the top of the file)
//    Next V moves into visual mode
//    G moves to the bottom of the file selecting everything
//    gq enforces file conventions defined in the ~/.vimrc file
      ggVGgq
```