

COEN 11 Lab 4

Steps

1. Open up Terminal and connect to the Linux computers:
ssh -l username linux.dc.engr.scu.edu
2. Go to COEN 11 directory: ***cd coen11***
3. Copy the contents of lab2 into a new file: ***cp lab3.c lab4.c***
4. Edit lab3: ***vi lab4.c***
5. Compile the file: ***gcc -o lab4 lab4.c***
6. Test your file: ***./lab4***

Requirements

2 global variables, and 5 functions.

Struct to stores the name, group size, **max age**, **extra_information (union)**

Union **extra_info** is based on the user input for max age:

- Phone number (max age < 18)
- Youngest age (max age > 65)
- Average age (max age >=18 and <=65)

Insert function ~ modify to include the max age and the extra info

Delete function ~ modify to copy the max age and extra info along with the name and age when deleting an entry. Alternatively, you can copy the struct directly using '='.

List function ~ modify to print max age and the extra information

Demo and submit source code to Camino

When Submitting the Code...

Add comment at the top of the page with...

- Your name
- Course title
- Lab number
- Lab time and date

```
/* Emma Allegrucci  
 * COEN 10  
 * Lab 5  
 * Monday 2:15pm  
 */
```

Helpful Resources

*** “The C Programming Language, 2nd Edition” ***

C: <https://devdocs.io/c/>

C: https://www.tutorialspoint.com/c_standard_library/index.htm

Terminal commands:

<https://cheatography.com/davechild/cheat-sheets/linux-command-line/>

Vim commands: <https://vim.rtorr.com/>

