**CSCD240 Lab 10**

I have provided a cscd240Lab10.c file. Your task is to write the functions. **This lab is classified into the homework category when computing final weighted grade.**

The structure will contain:

char \*street;  
char \*city;  
char \*state;  
int zip;

The menu portion will contain:

1) Print the array sorted by street  
2) Print the array sorted by city  
3) Print the array sorted by state then city  
4) Print the array sorted by zip  
5) Quit

You must verify range of the options that an user inputs.

The input will come from a file, and file name entered by the user. You must ensure the file opens. (hint: check what fopen() returns!)

This lab tries to get you to work with structures that contain pointers.

You must use the provided file format. Each address record consists of 4 lines of text in the provided file.

**To Turn In**

Submit a zip file

* Containing your C files and H file(s).
* Your makefile – target is lab10
* Include an output captures from running your program named cscd240Lab10output.txt.
* Include a valgrind run to ensure you are not leaking memory named cscd240Lab10Val.txt

Your zip will be named your last name first letter of your first name lab10.zip