**Lab 11**

Due: Dec. 05th 2013 23:59pm (firm deadline)

I have provided a cscd240Lab11.c file. Your task is to write the functions. HINT: There is only a small change between lab 10 and lab 11, mainly in the sorting functions. **In this lab, you have to use the built-in qsort() function to implement the functionality for menu item 1 through 4. You have to implement your own comparison functions between two Address items.**

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.

The input will come from a file, name entered by the user. You must ensure the file opens.

This lab tries to get you to work with structures that contain pointers, void pointers and function pointers.

You must use the provided file format.

**To Turn In**

Submit a zip file

* Containing your C files and H file(s).
* Your makefile – target is lab11
* Include an output captures from running your program named cscd240Lab11output.txt.

Your zip will be named your last name first letter of your first name lab11.zip  
(Example: steinerslab11.zip)