**CSCD240 hw5**

I have provided a cscd240hw5.c file. Your task is to write the functions.

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.

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

This homework 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) and input files.
* Your makefile – target hw5
* Include an output captures from running your program named cscd240hw5output.txt.
* Include a valgrind run to ensure you are not leaking memory named cscd240hw5Val.txt, or a screenshot is also fine.

Your zip will be named your last name first letter of your first name hw5.zip