Writeup Document of Assignment 4
Zihua Li
CSE 13S
Prof. Darrell Long

In this assignment, I finally grasped the usage of pointers. I have encountered countless difficulties and problems in this assignment.

Things went better in universe.c than in life.c, did not have too much problems occured during the development of universe.c. Most of the huge problems are in life.c, especially when it comes to copying the output of the sample executable provided, is definitely a suffering. When I fix this, that becomes a problem, when I fix that, this goes wrong. Eventually there are imperfect in this program. I am not a genius, this course really makes me remember that I am not smart enough to go through shortcuts, I have to work harder than everyone else to succeed.

Maybe I will fail this class, I cannot be sure of this until the final grade gets released. But most importantly, I have already won people who dropped this class. I will not lose hope until I see a grade lower than C on my transcript.

So keep working!

Alright, about the lessons I have learned. I thought scanf returns the arguments user inputted, no it returns the number of arguments it successfully passed. I thought curs"underscore"set(TRUE) hides the entire animation (this is a dumb one), no it does not do anything like that. I thought the sample executable, if no parameters are inputted, will result in a indefinite loop in the command line, no it is actually a manual input instead of reading a file. I thought the error that -Werror gave me could be fixed by correcting variable types, no, not necessarily, it could be a big project just to silence a small error as without -Werror would just be a warning.

There might be more lessons I have learned from this assignment but I do not remember all of them, even if they were in my brain I cannot tell at the moment since I have not had any sleep in 2 days. Thank you for understanding this. I am really tired of fixing countless errors and thinking about rebuilding the whole program.

The big problem is I do not usually construct a project in the right way at the first shot, I have to rebuild the whole structure over and over and over again and eventually they do not give the perfect result.