

Challenge Lab 3

UWYO COSC 2030

Introduction:

This lab is going to look very different from any other lab you have ever done. But I have complete faith you'll be able to accomplish it. For your final challenge lab of 2030, I have written you a fantasy game that is based off of functions that you will write to compete with mine. These functions will go in `player.cpp`.

Several notes:

First, the driver code is all contained in that `driver.o` file. I've compiled it so you can't look at the source code to outwit my functions. If you open it in a text editor, all you're going to find is unreadable binary and plaintext strings that will spoil the game for you if you read them, since they are out of order. Do with that what you will, all you stand to do by reading that file is to make the experience less fun.

Second, you'll notice a file that may be unfamiliar to you, called a Makefile. That basically exists to make your life easier. Because I've given you a `.o` file instead of a `.cpp`, you have to compile it in a special way to get the program to run. So I've abstracted that out for you: type `"make all"` and then `"./main"` and you'll run the program.

Third, when you pull the code it will compile and run. If you run into an issue with compilation and running, it's probably because of some change that you've made. For your sanity, only change the `player.cpp` file. You're welcome to declare further functions within that file, and I daresay that a successful `sneak()` function requires you to declare a few functions, but keep those declarations, including the ones that would go above `main`, in `player.cpp`.

Fourth, as you run the program, it will automatically generate `.txt` files for you. You don't have to read these, they are just the story I've written you. If you delete them, they will automatically regenerate.

Finally, don't overthink it. The complexity in this lab is in not knowing what the source code looks like, which is very reminiscent of what the industry will look like for you when you get into it. Don't psyche yourself out, you've successfully done everything I'm asking you to do in this lab before, you just have to do it here too.

Submission:

Attach your name to the `README.md`, and make sure you submit the `.cpp` file, as well as **all** of the `.txt` files that are generated. That part is particularly important, as largely I'm going to grade based off of the `.txt` files. Do not share them with other people before the end of both lab sections.

Make your final git commit before the end of your lab section.