How was it solving a problem for someone you know, how was it programming by yourself instead of with a partner, what did you learn, what would you do differently next time?

Solving someone else’s problem for the first time was interesting and slightly fulfilling because I was able to help someone that I know. I was able to ask certain questions on specifics aspects of my program and communicate personally with my client which immediately made me draw a connection to peer programming. In peer programming, I had to give and receive instructions and because I have been in the positions of the giver and receiver, I feel like was is easier for me to translate what my client needed into useful code that solves the problem at hand in a way that is satisfactory to me and my client. One main difference between peer programming and working for a client is that most of the workload is by yourself so all the idea making, planning, coding, debugging, and the other aspects of making a program were solely on me to figure out and create which did give me a sense of freedom but it also added a bit of pressure.

While it was freeing to answer a project using my own design and working at my own pace, there was also a need to implement self-discipline because there is no one else working with you to hold you accountable for quality and time. There was a constant urge to procrastinate but the fact that I had to work on everything alone gave me the opportunity to become more acclimated to PyCharm and GitHub and develop a deeper understanding of the basic concepts of programing.

If I had to approach the problem again, I would’ve wanted to add error messaging and maybe figure out a way to make my program to present better and cleaner or even find a way to create a program that figured out the missing variable no matter which one it is. For the future I will keep this program in mind or maybe even revisit it just to improve it for myself because although this was an assignment, I also enjoy physics and found every second of doing my program fun and engaging. All in all, I was able to create a program that can help my friend and help me become better at coding.