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Foundations of Programming

Assignment 08 - Course Reflections

Assignment 8 - Lessons Learned

Before this class, I had limited knowledge of coding practices. Even during my time as an undergrad, I had an extremely difficult time with Matlab as I had no foundations when it came to coding. Based on this, I felt incapable of learning Python, or any of the other big languages and developed an extreme dislike for Matlab. However, through taking this course, I found that it is possible to develop coding skills, all I needed were some basics and the act of actually doing some coding. I feel more encouraged to keep expanding my skillset in Python and I would like to give Matlab another chance with what I know now.

In addition, not only did I feel affirmed that I could improve my skills as long as I practiced, but I also picked up lots of new vocabulary, “append” and “concatenation” are just some example words. However, I did struggle at many points as certain concepts began to ramp up. Seeing them applied in assignments, however, helped me to understand what these terms meant and how they were applied.

The program from the homework evolved every assignment and incorporated a new concept. This also gave me insight into how to go about creating a coding project of your own

and how with coding you can take something small and keep incorporating something new, improving upon the last iteration. Additionally, through working on the assignments I learned about the value of already created work and how you can draw information from these to perform the same functions in your programs. Learning to edit others' work but also learning to comment on what you do for others to read and understand yours is also heavily important.

Overall, this class was beneficial to me in providing me with basic concepts that can help me develop a coder mindset. Further, I can see how I can apply coding in my day-to-day work as I often have large sets of data that require sorting. It can also be applied to personal projects to simply aid in your daily tasks. Looking forward to executing these projects.