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Course: Python Fundamentals

Assignment 05

**Lists, Dictionaries, and GitHub**

**Introduction**

This is the fifth assignment for the Python Fundamentals course. The overall course is looking well, and I am excited to get started and learn more about Python and practice my coding and build upon my limited skills in Python. I was happy to be working on the code for this one while on vacation, though I did come down with a cold and could not complete this document until the 20th of February, far longer than I anticipated. My apologies for the delay.

**Pseudo-Code**

I used pseudo-code this assignment, and I wrote some out. Unfortunately, my document was not saved on my laptop correctly and I cannot give you any examples. I will make sure I save it online as well.

**Lists and Lab 5-1**

This was another good review of Lists for me, and I was particularly glad to be given a lab on using lists specifically with a text file. Initially, I was not sure how to accomplish the lab after Randal’s video came to it. I thought a moment and looked up my previous assignment #4, where my code had all that information in it, and I adapted my code quickly to complete the write portion. For the read portion, I was only half correct, and I forgot the one rule that you CANNOT JUST PRINT OUT A VARIABLE WITH A LIST OR DICTIONARY IN IT. Duh! Oh well, would have figured out that fact AGAIN once I tested it.

**Dictionaries**

Dictionaries are also a good review for me. They are harder for me to work with, as the key:value thing can get confusing for me, especially as I try to iterate through a dictionary to find specific items to print or compare to. What I particularly like is how Randal uses lists to help grab the information from the dictionary to display or, vice versa, to store. That is something that I was not taught in my previous classes at another university, which I find is very helpful. Since I am planning on going on to work with databases more than anything, I think this helps me learn a bit better.

**Improving Your Scripts**

This was a challenging and nice section to learn about. I had learned about functions and Try-Except, though I still need to learn more. The Separation of Concerns and the Script Templates are new and unique, though. To me, the Separation of Concerns is similar to what I do already in my code, ensuring I am documenting it well to be able to come back to it and know what is happening. Something that I will, of course, continue in future. For the Script Templates, I never knew PyCharm had that option. Very easy, something that I am going to implement. Thank you!

**Script Assignment**

To be honest, I did my code so long ago, I don’t remember what I was thinking and going through my head. Next time, I will make notes as I write and debug so I can refer back to it. Please feel free to ding me on this learning section as I know I did not meet the standard. Bottom line, I knew I wanted to do the basic stuff Randal showed us while also adding a few new things to make it run a bit better.

**Conclusion**

I enjoyed this second assignment. More challenging for me, for sure, and I especially had to make up for my time while sick. Looking forward to more and more to learn, every week.