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IT FDN 110 B Sp 24: Foundations Of Programming: Python

Assignment 06

Creating Python Scripts

# Introduction

I created a Python program that demonstrates using constants, variables, and print statements to display a menu option about a student's registration and to write to a JSON file. I named the file as assignment\_06.py. I included a script header that included below text and has my name and the current date.

While working on this assignment, I learned how to –

1. How to write to a JSON File
2. How to use json.dumps command
3. How to use Git Hub
4. How to apply Error Handling
5. How to use. join() command
6. How to add data to two-dimensional list table
7. How to use FOR command
8. How to define a Menu
9. How to define choices
10. How to use WHILE command
11. How to use IF Command
12. How to use ELIF Command
13. How to Close a Loop
14. How to format strings
15. Troubleshooting and debugging my code

A close-up of a white card

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# Code

I wrote the code below with Constant, Variables and Input.I used the json.dumps command. I used the While, IF and ELIF Commands. Also, I used the OPEN, WRITE AND CLOSE CSV File commands.

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A screenshot of a computer program

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# Output

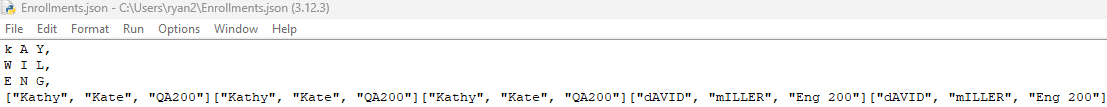
Below is a depiction of my code output in IDLE Shell, JSON File and Command Prompt.

1. **IDLE Shell**

A screenshot of a computer

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1. **JSON File**



1. **Command Prompt**

**A screenshot of a computer program

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# Summary

For being able to write above code and successfully run it, I had watched all the assigned videos and reading. Also, watching the class recording helped me as well. While I was writing the code, I initially had a lot of bugs, so I had go back and rewatch most of the videos to clarify some of my questions around adding a Menu Choice and writing to a JSON File.