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Python Web Exploit Development

Assignment Name: Python: More Practice

Assignment Level: Basic-Intermediate

Assignment Submission Deadline: 4th May 2024

Submission Format: Github Repository

Objective:

This assignment, due by May 1th, is designed to evaluate your proficiency and creativity in Python programming, showcasing the skills you've acquired during the internship.

Q.1 Write a program to read data from a CSV file and perform basic data cleaning operations like removing duplicates or handling missing values.

Q.2 Write a program to search for a specific pattern (e.g., email addresses or phone numbers) within a text file and extract them.

Q.3 Write a Python program to find the shortest path in a graph using Dijkstra's algorithm.

Q.4 Create a Python class to represent a bank account with methods for deposit, withdrawal, and checking the balance.

Q.5 Create a GUI-based file manager that allows users to browse directories, view files, and perform basic file operations like copy, move, and delete.

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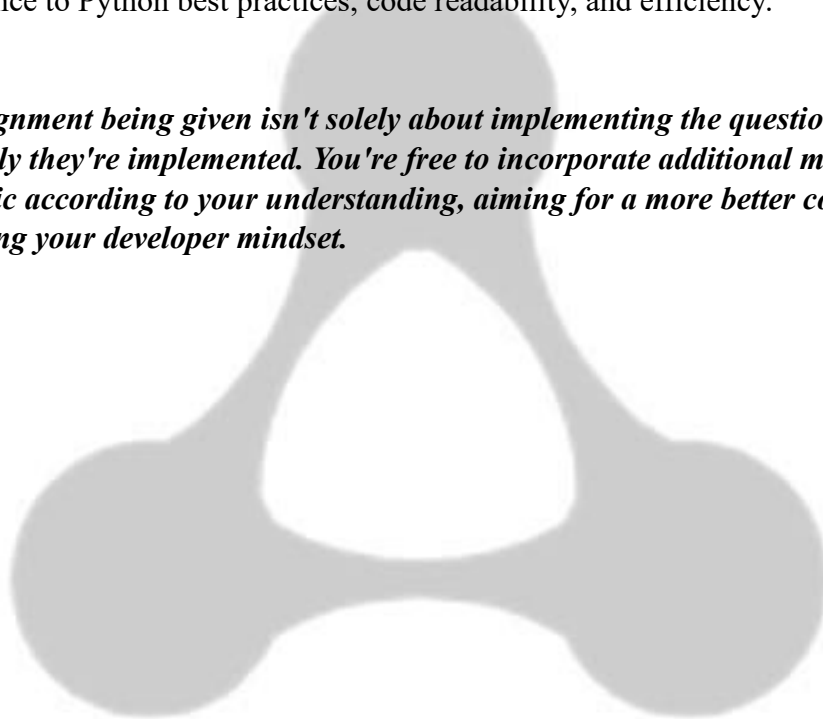
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Evaluation Criteria:

Your assignment will be evaluated based on the following criteria:

- Accuracy and effectiveness in solving the assigned tasks.
- Creativity and innovation demonstrated in the project showcase.
- Adherence to Python best practices, code readability, and efficiency.

Note: The assignment being given isn't solely about implementing the questions. It's not crucial that only they're implemented. You're free to incorporate additional methods or alternative logic according to your understanding, aiming for a more better code. This will aid in evaluating your developer mindset.



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