ALBUS SECURITY

Python_Web_Exploit_Development

Assignment Name: Python: Taking the Next Step towards Exploit Dev

Assignment Level: Basic-Intermediate

Assignment Submission Deadline: 1th 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 which accepts a sequence of comma-separated numbers from console and generate a list and a tuple which contains every number.

Q.2 Write a function that converts hours into seconds.

Q.3 Write a program to automate Sending HTTP Request to web server**.**

Q.4 Write a Python script that extracts the default gateway address from the output of **ifconfig** or **ipconfig** and displays it to the user.

Q.5 Write a Python script to generate strong passwords of a specified length, including a mix of uppercase letters, lowercase letters, numbers, and special characters.
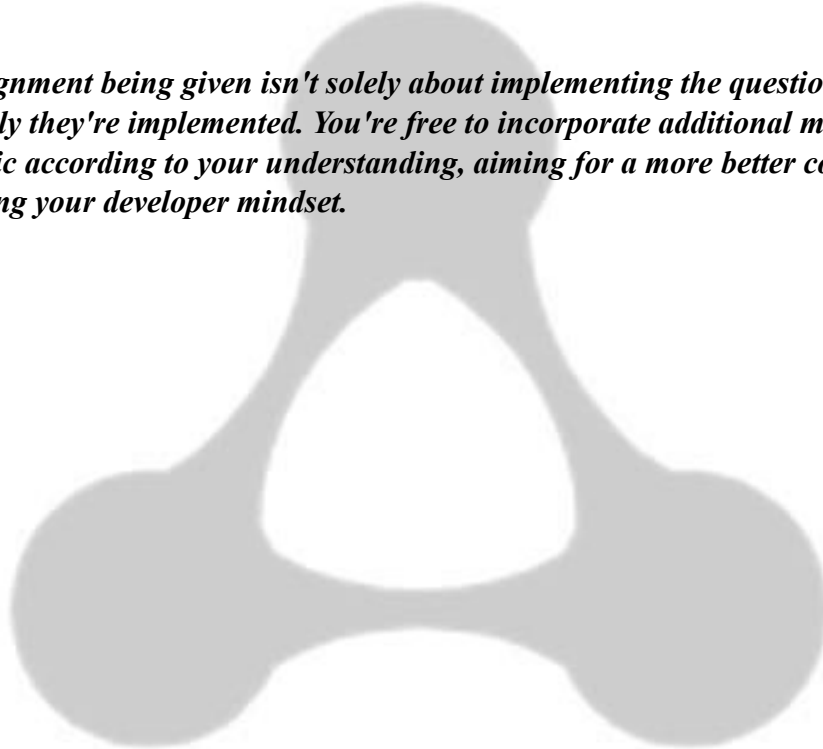
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Evaluation Criteria:

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.