**Abstract:**

The highlighted Python script acts as a versatile and easy-to-use password generator, allowing users to choose between generating standard passwords or hashed passwords based on specified criteria.

The program takes a clear, interactive approach and guides users through the process of defining the required password properties.

At startup, the script prompts the user for the number of letters, symbols, and numbers required in the password.

It then uses a random module to generate a password as specified by the user.

A typical password concatenates a random selection from a predefined list of letters, numbers, and symbols to form a diverse and secure password.

The script handles differently if the password is hashed.

Compile a list of characters by combining your selections from a list of letters, numbers, and symbols.

This list is randomly shuffled to increase password unpredictability.

The final hashed password is represented as a combination of mixed characters, making it even more complex.

The script has a well-designed interface with clear instructions and options.

Users have the freedom to choose whether to generate regular or hashed passwords, allowing them to customize the tool to suit different security needs.

The interactive nature of the script allows users to easily navigate the password generation process, even with limited programming experience.

By leveraging a random engine and implementing a thoughtful design, this password generator aims to be accessible and user-friendly, catering to a diverse range of users seeking a secure and customizable password generation tool.

We will meet your needs.

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