**Password Generator Documentation**

**Overview**

The "Password Generator" script is designed to create random passwords with varying levels of complexity. Users can specify the length of the password and select one of three complexity levels:

**Low level (1-4):** These passwords consist of digits and lowercase/uppercase letters.

**Medium level (5-7):** These passwords include digits, lowercase/uppercase letters, and punctuation characters.

**Hard level (8-10):** These passwords contain digits, lowercase/uppercase letters, punctuation characters, and are longer in length.

The script interactively prompts the user to provide the desired password length and complexity level.

**Dependencies:**

The script relies on the following Python modules:

**random:** Used for random character selection.

**string:** Provides character sets (digits, letters, punctuation).

**Functions:**

**power\_generation\_complex(length)**

**Description:** Generates a password with high complexity.

**Arguments:**

**length (int):** The desired length of the password.

**Returns:**

**str:** The generated password containing digits, letters, and punctuation.

**power\_ generation(length):**

**Description:** Generates a password with low complexity.

**Arguments:**

**length (int):** The desired length of the password.

**Returns:**

**str:** The generated password containing only digits and letters.

**Conclusion**

The "Password Generator" script simplifies the process of generating secure passwords with different levels of complexity, catering to various security requirements.