Task 6: Create a Strong Password and Evaluate Its Strength

Objective:

Understand what makes a password strong and test it against password strength tools

-https://www.passwordmeter.com

- **Security.org Password Checker**

- **NordPass Password Checker.,etc**

1. Understand the characteristics of a strong password:

    - Minimum 12 characters

    - Includes uppercase and lowercase letters

    - Includes numbers and special characters   - Avoids dictionary words or personal information

2. Create a sample password:

   Example: G@rden!9832#Moon

3. Evaluate it using online tools such as passwordmeter.com.

    - Strength Score: 95%

    - Estimated time to crack: 300 years

4. Explanation:

   The password is strong because it contains a mix of character types and has a high entropy. It

does not use easily guessable words or patterns, making it more secure against brute-force attacks.

Deliverables:

- Password strength report (screenshot or results summary)

- Explanation of password characteristics and why it is strong.

Checking the password Strength in password strength meter: