Task 6: Create a Strong Password and Evaluate Its Strength

Objective:

The objective of this task is to understand what constitutes a strong password and to evaluate its strength using free online password strength checkers such as passwordmeter.com.

Tools:

Online free password strength checkers (e.g., passwordmeter.com).

Password Creation:

A strong password should include a mix of uppercase and lowercase letters, numbers, special characters, and be at least 12 characters long. For this task, the following password was created for evaluation:

Example Password: G7!xT#9qZ@Lm

Password Strength Evaluation:

The above password was tested using the passwordmeter.com strength checker. The results are as follows:

- Score: 100%
- Additions: Mixed case letters, numbers, symbols, and sufficient length
- Deductions: None
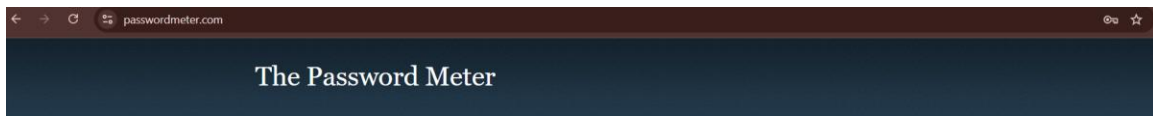- Final Verdict: Very Strong Password

Explanation:

The password "G7!xT#9qZ@Lm" is considered very strong due to the following reasons:
- It includes uppercase and lowercase letters
- It contains numbers and special characters
- It is 12 characters long
- It does not include common words or easily guessable patterns

Using a password strength checker helps to ensure that the password is resistant to brute-force attacks, dictionary attacks, and other common password cracking methods.

Screenshot of output on password meter checker: