Task 6: Password Strength Evaluation

# Objective

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

# Tools Used

- Password Meter (https://www.passwordmeter.com/)

- How Secure Is My Password (https://howsecureismypassword.net/)

# Steps Taken

1. Created multiple passwords with varying complexity.

2. Evaluated each password using online strength checkers.

3. Documented the scores and observations.

4. Analyzed the results to identify best practices for strong passwords.

# Best Practices Learned

- Use at least 12 characters.

- Combine uppercase, lowercase, numbers, and symbols.

- Avoid dictionary words and personal information.

- Consider using passphrases.

- Utilize password managers.

# Summary

Password complexity plays a critical role in resisting brute force and dictionary attacks. Multi-factor authentication (MFA) further improves security.