

Password Strength Evaluation Report

1. Tested Passwords and Scores:

- "Password123" → Weak (Score: 35%) - Lacks symbols, too common.
- "P@ssw0rd!" → Medium (Score: 65%) - Uses symbols and numbers but short.
- "S@fe&Str0ngPass2025" → Strong (Score: 95%) - Long, complex, mixed types.

2. Feedback from Tool:

- Avoid dictionary words.
- Include upper/lowercase, numbers, symbols.
- Use at least 12-16 characters.

3. Best Practices Learned:

- Longer passwords are harder to crack.
- Use passphrases with random words.
- Avoid personal information.
- Change passwords regularly.

4. Common Password Attacks:

- Brute Force: Tries all combinations.
- Dictionary Attack: Uses common password lists.
- Phishing: Tricks user into revealing password.

5. Conclusion:

Strong, unique passwords greatly reduce risk from attacks.