Create a strong Password and Evaluate its Strength

Password	Estimate To Crack
P@ssWord#42	51 seconds
Q7#x!R9mZ@pl	3 Years
jY4\$ev8*kL2@	3 Years
Blu3_Fox!Runs@Dawn_47	Centuries
st@r_Gal@xy_W1nter#99	Centuries

- Best Practices for Creating Strong Password
 - 1. Length is King: Aim for at least 12-16 characters longer password have exponentially more combination.
 - 2. Mix Characters Type: Avoid Predictable Sustitution like P@ssword -attackers know these tricks.
 - 3. Avoid Personal and Predictable Info: Don't include your name, birthdate, pet's name, favorite sports team, or any detail that could be found online.
 - 4. Use passphrases for Memorability.
 - 5. Make Every Password Unique.
 - 6. Use a Password Manager.
 - 7. Enable Two-Factor Authentication(2FA)

- 8. Change Password After a Breach.
- Research Common Password Attacks
 - 1. Brute-Force Attack
 - 2. Dictionary Attack
 - 3. Credential Attack
 - 4. Phishing Attack
 - 5. Keylogging
 - 6. Man-in-the-Middle Attack
 - 7. Shoulder Surfing
 - 8. Rainbow Table Attack
- How Password Complexity Affects Security
 - 1. Length, Character Variety, Unpredictability, Avoiding Common Words.
 - 2. A long ,random, and varied password takes much longer to crack, greatly improving security against most password attacks.