

E4_6_3 Passwords

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Monday December 25, 2023

Seat 99 (Grade level 13)

Cyber Capstone

1. What is the main purpose of a password attack?

- A. To encrypt passwords
- B. To authenticate users on a system
- C. To gain a victim's password
- D. To enhance password security

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1. What is the recommended approach for creating strong passwords?

- A. Short length with simple characters
- B. Long passwords with complex and memorable passphrases
- C. Using the same password for multiple accounts
- D. Avoiding special characters to make passwords easier to remember

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2. Why is password complexity important?

- A. It simplifies the authentication process
- B. It reduces the likelihood of successful brute-force attacks
- C. It increases the risk of unauthorized access
- D. It encourages password reuse

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3. What is the risk associated with password reuse?

- A. Increased password complexity
- B. Enhanced security
- C. Increased likelihood of unauthorized access
- D. Reduced need for password managers

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4. Why should organizations implement password expiration policies?

- A. To simplify password management
- B. To encourage password reuse
- C. To mitigate the impact of potential credential compromises
- D. To prevent users from changing their passwords

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5. What is the purpose of restricting the use of old passwords?
- A. To prevent the reuse of potentially compromised passwords
 - B. To encourage password complexity
 - C. To simplify the authentication process
 - D. To increase the likelihood of successful brute-force attacks

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6. What do password managers do to enhance security?
- A. Encourage password reuse
 - B. Store passwords in plain text
 - C. Increase the complexity of attacks
 - D. Generate and store strong, unique passwords for each account

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7. What is the primary advantage of passwordless authentication?
- A. It relies on traditional passwords
 - B. It increases the risk of password-related attacks
 - C. It reduces the reliance on passwords
 - D. It complicates the user experience

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