

CYBER SECURITY ASSIGNMENT QUESTION

DAY 37

1. Define one-way authentication and discuss its significance in secure communication. Explain how one-way authentication differs from mutual authentication.

2. Explain mutual authentication and its role in establishing secure communication. Discuss the benefits of mutual authentication compared to one-way authentication.

3. Define dictionary attacks and discuss their significance in password security. Explain how dictionary attacks differ from brute force attacks and their impact on password-based authentication systems.

4. Define centralized authentication and discuss its advantages and disadvantages. Explain how centralized authentication systems work and their role in access control.

5. Explain the Needham-Schroeder protocol and its role in secure communication. Discuss the key principles and steps involved in the Needham-Schroeder protocol.