

Cyber Security Interview Questions

1. What is Cyber Security?

Cyber Security is the practice of protecting systems, networks, applications, and data from digital attacks, unauthorized access, damage, or disruption.

2. What is the CIA Triad?

The CIA Triad stands for Confidentiality, Integrity, and Availability. It forms the foundation of information security by ensuring data privacy, accuracy, and accessibility.

3. What is Confidentiality with an example?

Confidentiality ensures that information is accessible only to authorized users. Example: OTP-based login for banking applications.

4. What is Integrity with an example?

Integrity ensures data is accurate and not modified without permission.

Example: Bank transaction values should not be altered.

5. What is Availability with an example?

Availability ensures systems and data are accessible when required.

Example: A banking app should remain accessible during peak hours.

6. What is an Attack Surface?

An attack surface is the total number of entry points an attacker can use to exploit a system, such as web apps, APIs, networks, and databases.

7. Who are common types of cyber attackers?

Common attackers include script kiddies, insiders, hacktivists, cyber criminals, and nation-state attackers.

8. What is the difference between Vulnerability, Threat, and Risk?

Vulnerability is a weakness, threat is a potential attacker or event, and risk is the possibility of a threat exploiting a vulnerability.

9. Why is OWASP Top 10 important?

OWASP Top 10 highlights the most critical web application security risks and helps organizations prevent common vulnerabilities.