

# 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.