## Module 10 CCNA - Security threat landscape

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###  Beginner Question

1. Explain Security Threat ?

Ans: - A security threat is a potential danger that can exploit vulnerabilities in a system or network, compromising its integrity, confidentiality, or availability

1. What is mitigation Techniques?

Ans: Mitigation techniques involve implementing measures to reduce the impact and likelihood of security threats, enhancing the overall resilience of systems and networks

###  Intermediate Question

1. Explain DoS Attacks

Ans: - A Denial of Service (DoS) attack is a malicious attempt to disrupt the normal functioning of a computer system or network by overwhelming it with a flood of illegitimate traffic

1. Explain DDoS

Ans: Distributed Denial of Service (DDoS) is a cybar attack in which multiple compromised computers are used to flood a target system or network with excessive traffic, causing a disruption in service

1. Explain IP spoofing

Ans: -IP spoofing is a technique where an attacker manipulates the source address in an IP packet to deceive a recipient, disguising the origin of the communication and potentially facilitating unauthorized access

###  Advance Question

1. What is social Engineering Attack?

Ans: Social engineering is a manipulation technique used by attackers to exploit human psychology and deceive individuals into divulging confidential information or performing actions that compromise security

1. Explain Man-In-The Middle Attack

Ans: A Man-in-the-Middle (MitM) attack involves an unauthorized entity intercepting and potentially manipulating communication between two parties without their knowledge