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Question #1: Inspection of Encrypted Traffic

Firewall can inspect encrypted traffic using a process called SSL/TLS inspection

MiTM Approach:

When a firewall sits between client and server. The firewall makes two connections, one with the server and other with the client. This way the firewall decrypts the traffic from server because the firewall has all the certificates required to decrypt its analyzes the encrypted traffic and then encrypts it again to send it to the client.

Question #2: Next Generation Firewall

Next Generation Firewall (NGFW) is a modern type of firewall with advanced features and capabilities than typical firewalls.

- Integerated Intrusion Prevention System
- Advanced Threat Protection
- SSL/TLS inspection

Comparison:

	Traditional FW	NGFW
Traffic filtering	Based on a criteria	Deeper inspection up to Layer 7.
Stateful inspection	Keeping track of states of web-traffic	Able to distinguish between different types of web-traffic
Threat Prevention	Basic packet filtering.	Incorporates more than one prevention system.