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ASSIGNMENT 5

Write a short summary on Firewall and VPN

**Firewall**

* Acts as a security barrier between internal and external networks.
* Monitors and filters network traffic based on security rules.
* Prevents unauthorized access to or from a private network.
* Can be hardware-based, software-based, or both.
* Protects systems from threats like hackers, viruses, and malware.

**VPN (Virtual Private Network)**

* Creates a secure, encrypted connection over the internet.
* Masks your IP address and hides your online activity.
* Allows safe access to remote or restricted networks.
* Often used for privacy, secure communication, and bypassing geo-blocks.
* Helps protect data from hackers, especially on public Wi-Fi.