**Task 11**

**Computer Network Lab**



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**Question:**

**DHCP:**

* DHCP is a network protocol that automatically assigns IP addresses and other network configuration parameters to devices on a network. This eliminates the need for manual configuration, making network management more efficient.

**Example:**





**VLAN:**

* A VLAN is a logical grouping of devices on a network. It allows you to segment a physical network into multiple virtual networks, improving security, performance, and manageability. Each VLAN forms its own broadcast domain, isolating traffic between different VLANs

**Example:**



**DNS:**

* DNS is a hierarchical naming system for computers, services, or any resource connected to the Internet or a private network. It translates human-readable domain names (like google.com) into machine-readable IP addresses. This allows users to access websites and other network resources by name, rather than by IP address.

**Example:**





