Assignment :- 1.1

Networking Terminologies with examples:-

1. LAN:- local area network used to connect to the network the devices with in home or too closest place. Ex:- school, home, laboratory
2. WAN:- wide area network used to connect he network with devices around the states and the countries.ex:- offices situated at longer distance can communicate.
3. PAN:- personal area network used to connect with Bluetooth to smart phone. Ex:- tablet , laptop
4. MAN:- metropolitian area network used to connect with in cities or smal areas. Ex:-entire cities, college campuses.
5. Topology:- is the physical or logical arrangements of devices and connections in a network. It shows how data connected and flows through the network.
6. Bus topology:- in which all devices connected using single cable. ex:- ethernet
7. Ring topology:- in which devices are connected in circular manner forming a closed loop. Ex:- token ring
8. Star topology:- each device connected a central hub . ex:- banks, airports.
9. Mesh topology:- in which every devices connected to each other. Ex:- smart home systems
10. tree topology:- is a structure where devices connected hierarchically. It resembles a tree with a root node and various branches. Ex:- in organization ceo is an root node with direct reports as child nodes.
11. Hybrid topology:- is a type of network topology that combines 2 or more network topologys including bus, ring mesh topologies.

Ex:- wifi, ethernets cables connect to computers.

**Assignment :- 1.2**

Internet

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Modem

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Home- router

| | | |

Ethernet wifi wifi wifi

Desktop smartphone tablet laptop