

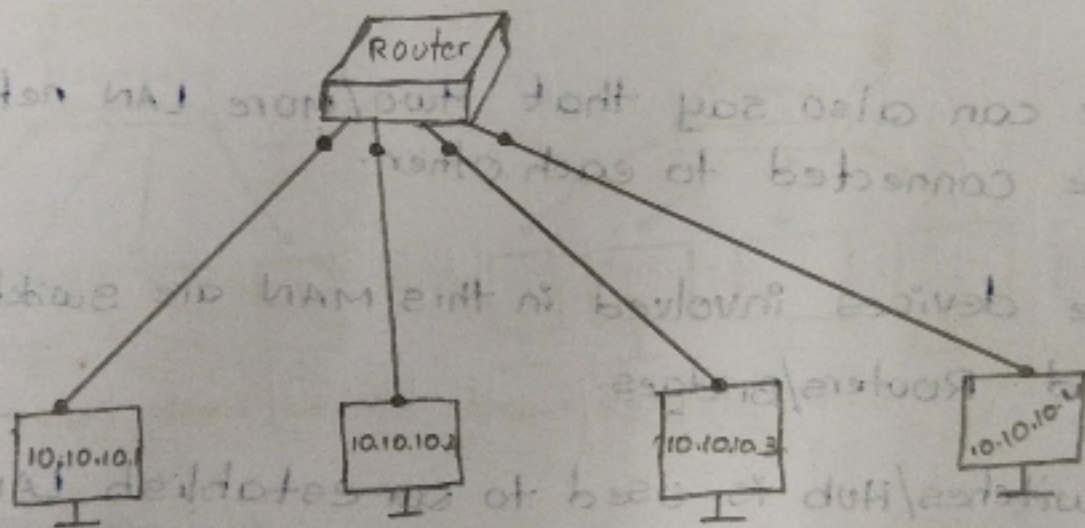
Computer Networks:-

→ These are classified into 3 types.

- Local Area Network (LAN)
- Metropolitan Area Network (MAN)
- Wide Area Network (WAN).

• Local Area Network (LAN)

→ This is limited to a small Area/small network.



→ The above shown way the systems are connected to a Router/main network source.

→ This is again of 2-types

- 1) Wired LAN
- 2) Wireless LAN.

1) Wired LAN:-

→ Wired LAN is usually called as Ethernet ~~Hub~~ ^{switch}.

→ To connect to the internet switch we use Ethernet straight-through cable.

→ If we need to connect to different computers then we use Ethernet Crossover cable.

→ The most used N/w in Ethernet are Hub (or) switch

2) Wireless LAN:-

→ The Wireless LAN is also called as WIFI

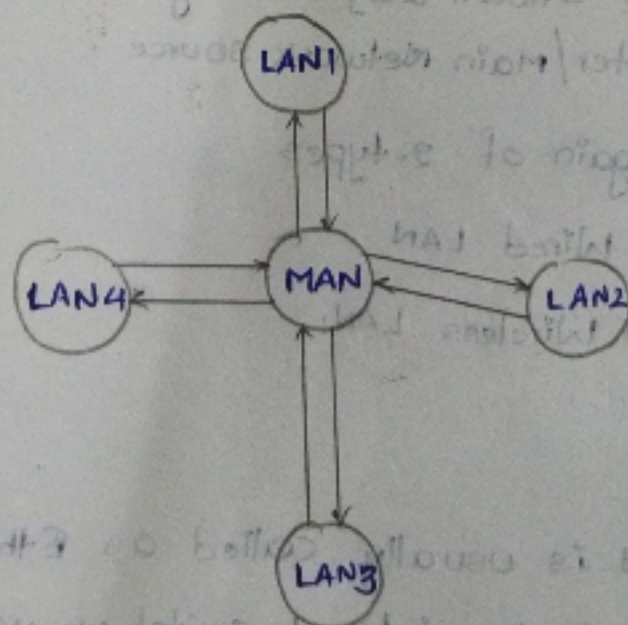
• Metropolitan Area Network (MAN):-

→ This is a computer network that ~~connects~~ interconnects users with computer resources in a geographic region of the size of a city.

→ We can also say that two/more LAN networks are connected to each other.

→ The devices involved in this MAN are switches/hub and Routers/Bridges.

→ Switches/hub is used to ~~set~~ establish LANs & Routers are used to connect the LANs



→ Here LAN-1, 2, 3 & 4 are the branches say centers of an

area and all these local n/ws are connected to a main network which is MAN.

• Wide Area Network (WAN)

→ It is a Telecommunication n/w that extends over a large geographical Area.

→ Devices used are End devices & intermediary devices.

