Assignment-4

Write a small introduction on types of wired and wireless networks.

**Wired networks:**

It use physical cables like Ethernet or fiber optics to connect devices. These networks are known for their high speed, reliability, and security.

* LAN (Local Area Network): Connects computers within a limited area like a home, office, or school.
* MAN (Metropolitan Area Network): Covers a larger area, such as a city, connecting multiple LANs.
* WAN (Wide Area Network): Spans large geographical distances, like the internet, connecting networks across cities or countries.

**Wireless Networks:**

Wireless networks use radio waves or infrared signals to transmit data without physical cables. They offer mobility, flexibility, and easy setup.

Common types include:

* Wi-Fi (Wireless LAN): Most common for home and business networks, allowing devices to connect without cables.
* Bluetooth: Short-range communication between devices like phones, headsets, and keyboards.
* Cellular Networks: Used by mobile phones to access the internet and make calls over 3G, 4G, or 5G networks.
* Satellite Networks: Provide coverage in remote or rural areas where other connections aren’t available.