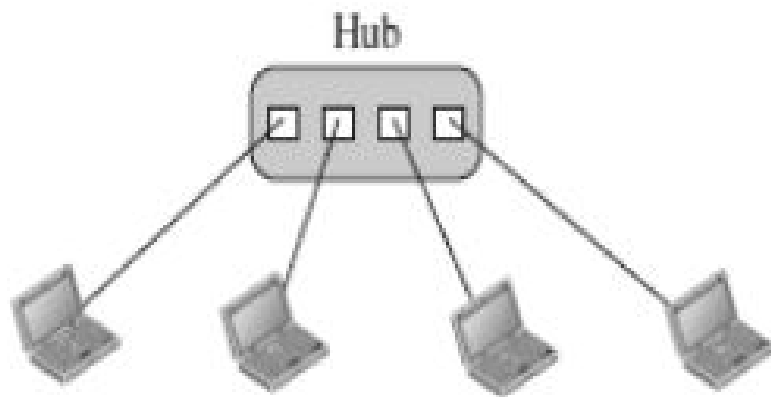
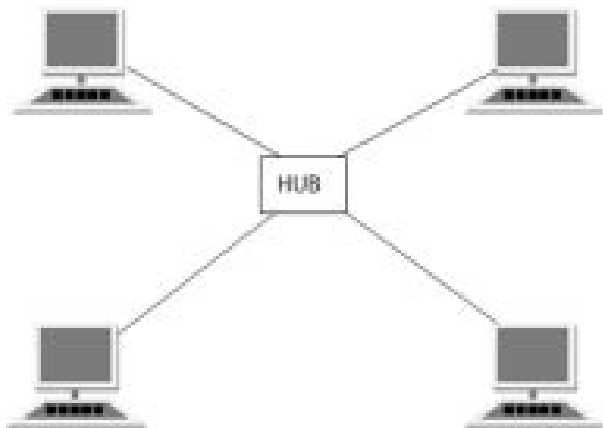


# **Star Topology**

**Elementrix Classes**

# Star Topology

- ❑ In a star topology, each device has a dedicated point-to-point link only to a central controller, usually called a hub.
- ❑ The devices are not directly linked to one another.
- ❑ The controller acts as an exchange.
- ❑ If one device wants to send data to another, it sends the data to the controller, which then relays the data to the other connected device.



### *Advantages of Star Topology*

1. Fast performance with few nodes and low network traffic.
2. Hub can be upgraded easily.
3. Easy to troubleshoot.
4. Easy to setup and modify.
5. Only that node is affected which has failed, rest of the nodes can work smoothly

### *Disadvantages of Star Topology*

1. Cost of installation is high.
2. Expensive to use.
3. If the hub fails, then the whole network is stopped.
4. Performance is based on the hub that is it depends on its capacity

पढ़िए और पढ़ाइये

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