**Cisco Packet Tracer**

**1. Workspace:**

* The central area where you design and simulate networks. It is divided into two views:
  + **Logical Workspace:** For designing logical network topologies.
  + **Physical Workspace:** To visualize the physical layout of the network.
*  **Routers:** Simulate various Cisco router models.
*  **Switches:** Includes Layer 2 and Layer 3 switches.
*  **End Devices:** PCs, laptops, servers, phones, printers, and IoT devices.
*  **Network Devices:** Hubs, wireless devices, firewalls, etc.
*  **Connections:** Choose cables like straight-through, crossover, or serial to connect devices.

**Packet Simulation:**

* You can create packets manually or let the system simulate traffic.
* Helps analyze how packets travel through the network, including details about delays, hops, and errors.

**Multi-User Mode:**

* Connect multiple users to a shared Packet Tracer network.
* Useful for collaborative projects or team-based troubleshooting exercises.

What is a network Topology?

1. A network topology is like an arrangement of network routers linked together like a graph or a map.