COMPUTER NETWORKS (CN)
LAB 2 ASSIGNMENT

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CSE AIML A

3rd Year

Lab 1: Implementation of Network

Topologies

Procedure:

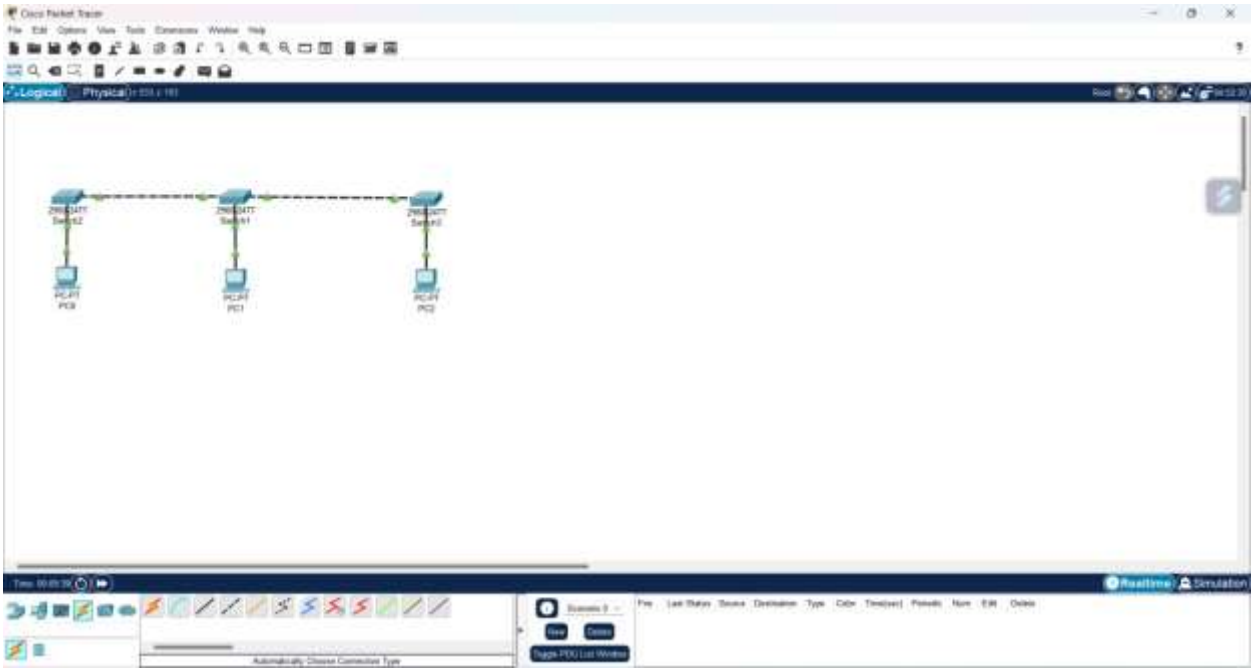
1. Open Packet Tracer:

■ Launch Cisco Packet Tracer on your computer.

2. Implement a Bus Topology:

■ Drag three computers onto the workspace.

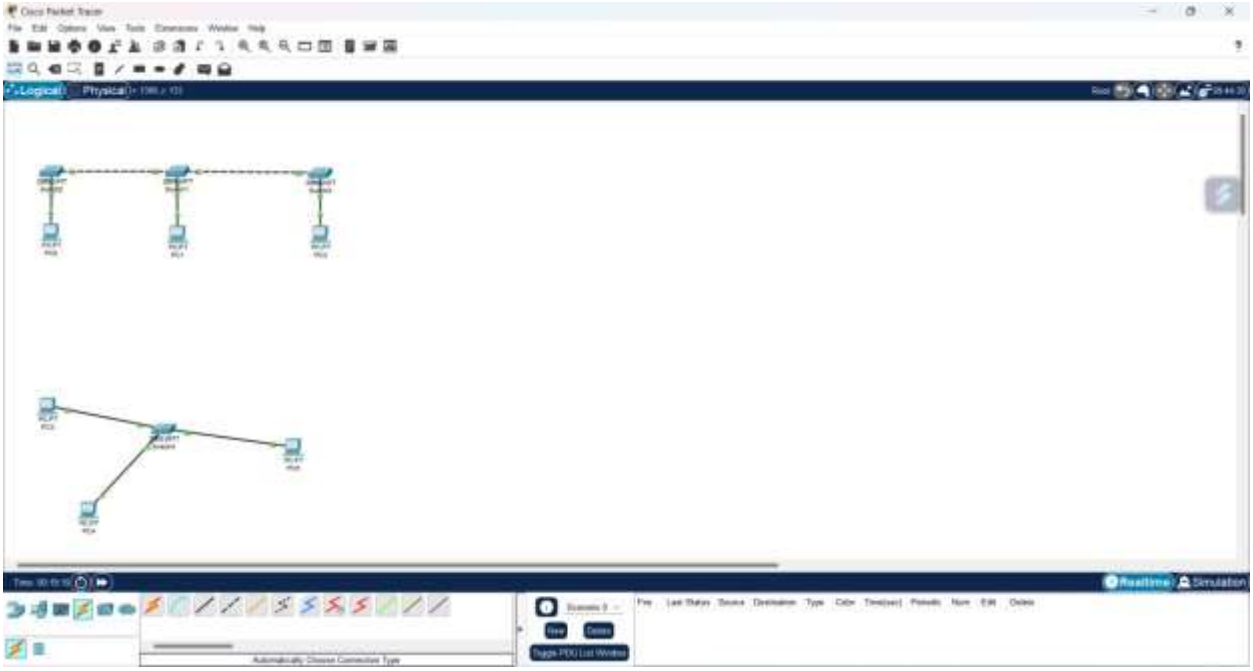
■ Connect them using a single backbone cable (Coaxial Cable).



3. Implement a Star Topology:

■ Drag three computers and a switch onto the workspace.

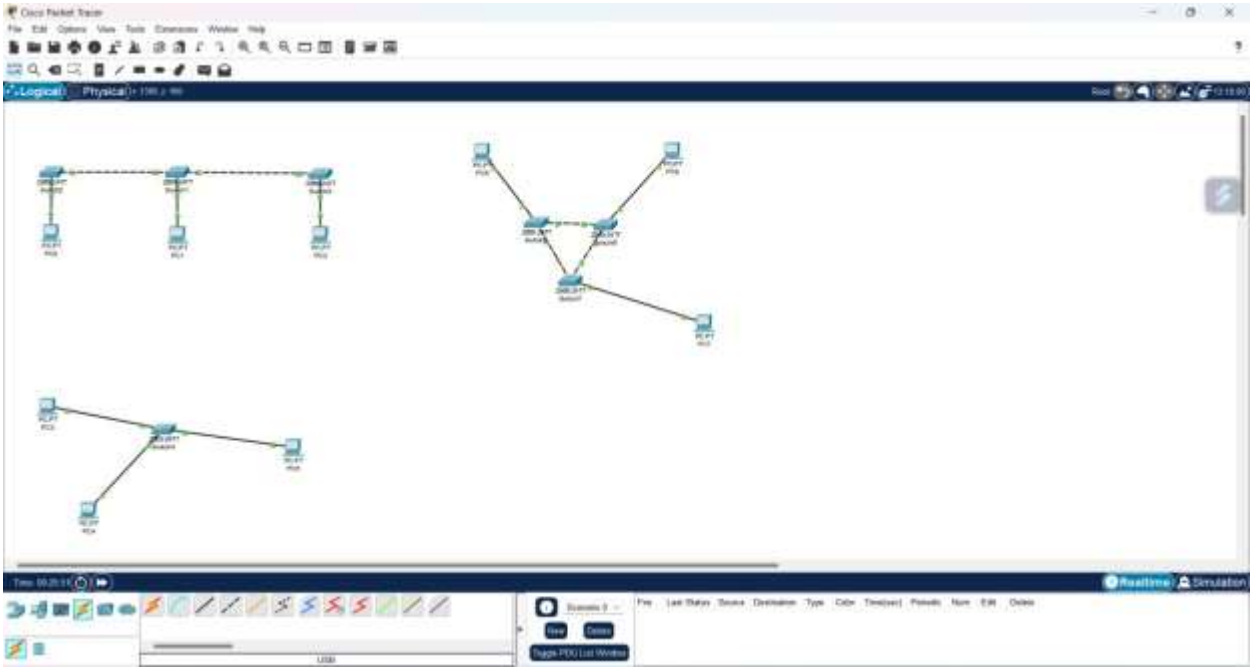
■ Connect each computer to the switch using straight-through Ethernet cables.



4. Implement a Ring Topology:

■ Drag three computers onto the workspace.

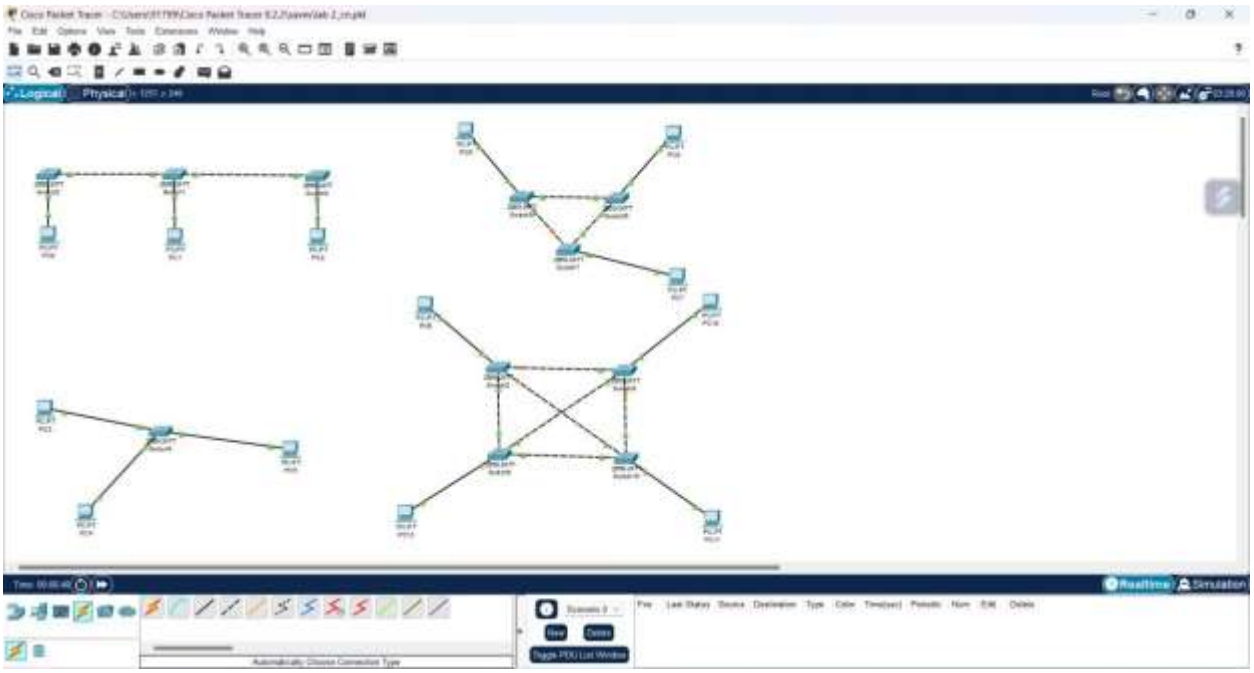
■ Connect them in a circular manner using crossover cables.



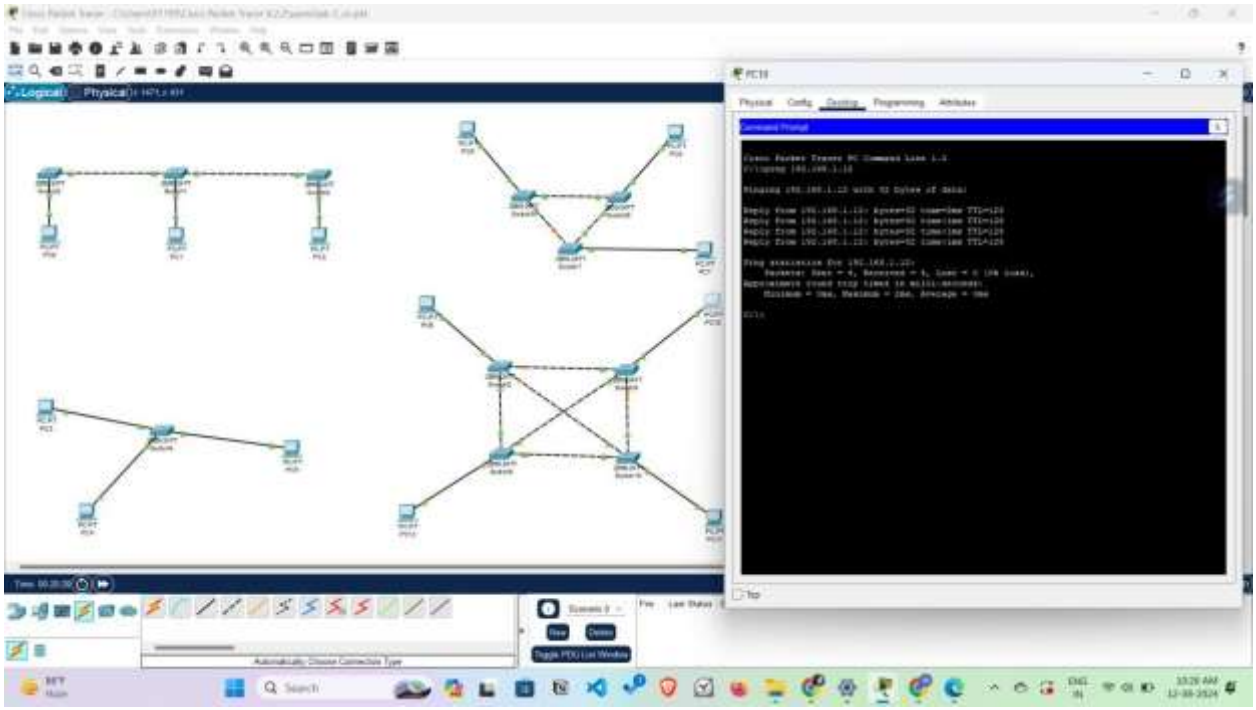
5. Implement a Mesh Topology:

■ Drag three computers onto the workspace.

■ Connect each computer to every other computer using crossover cables.



6. Test Connectivity:

■ For each topology, assign IP addresses to the computers.

■ Use the “ping” command to test connectivity between all computers.