COMPUTER NETWORKS LAB TWO REPORT

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Objective:

To design and implement various network topologies using Cisco Packet Tracer and to test the connectivity between devices.

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.

Screenshots: