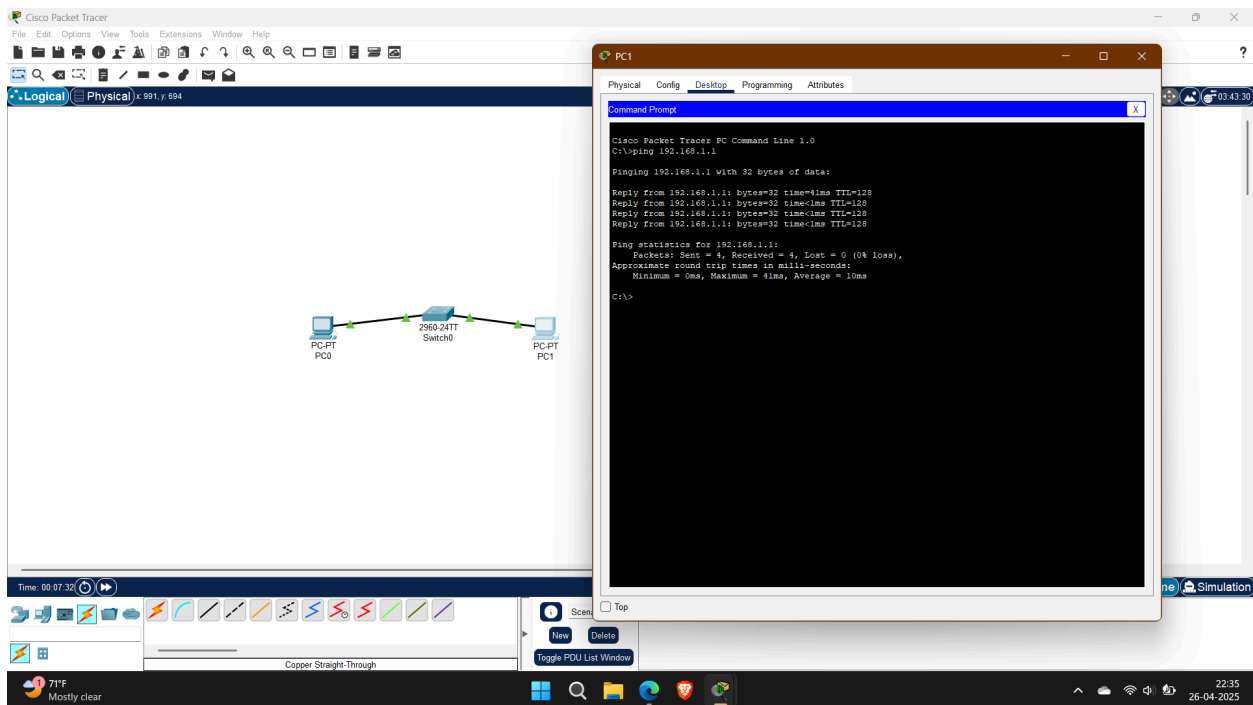
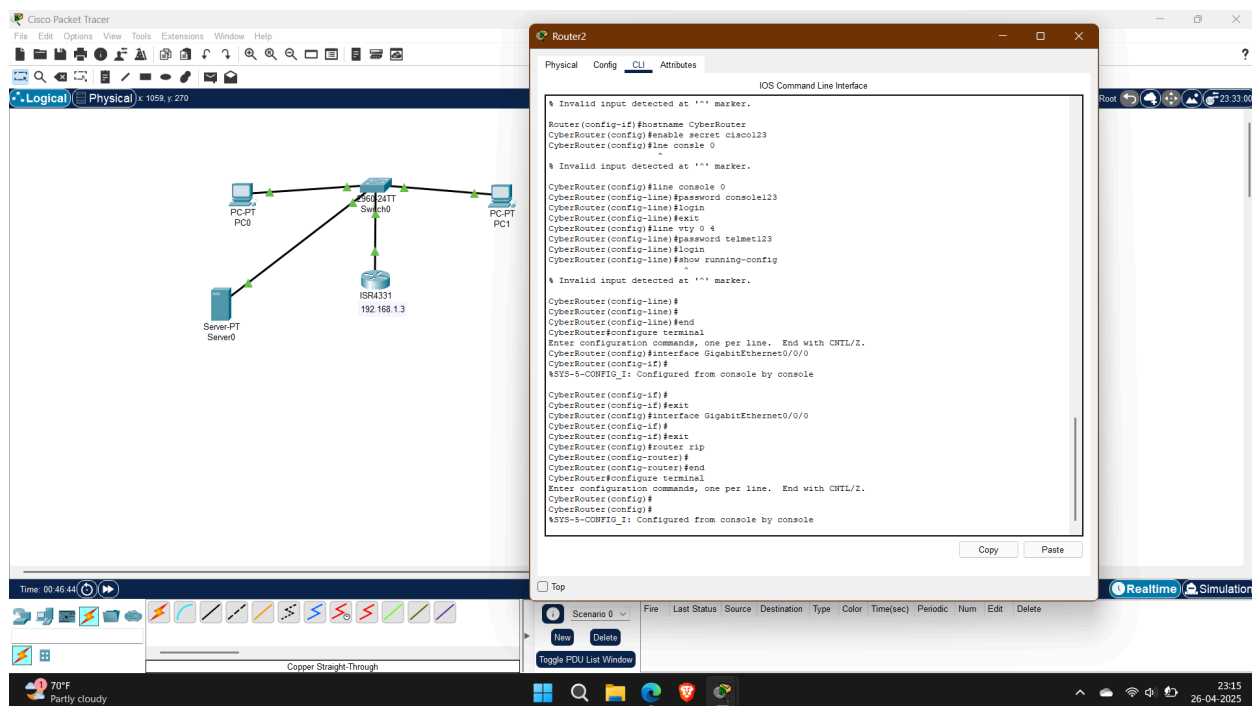
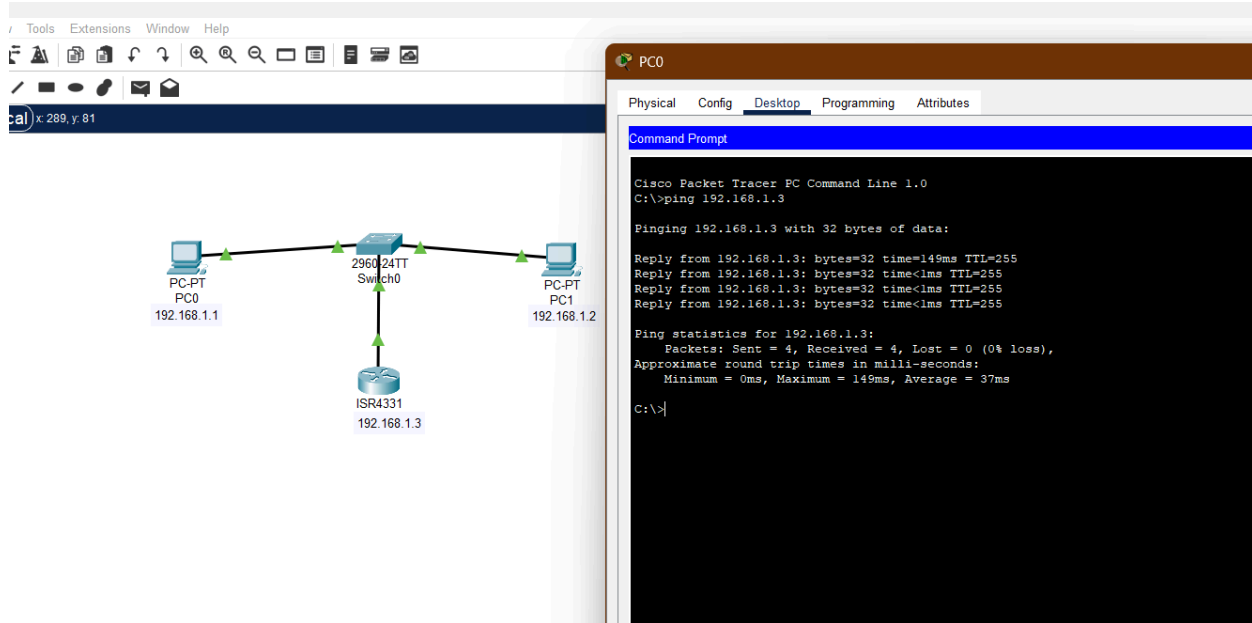


# Day 10 - Networking fundamentals using Cisco Packet Tracer

Task	Purpose
Build basic PC-to-PC network	Understand IP and connectivity
Add a router and connect devices	Understand routing basics
Use different cables	Learn real-world physical setups





## 1. Set up a DHCP Server in Packet Tracer:

- Added a DHCP server to the network.
- Configured DHCP settings (IP pool, default gateway, DNS).
- Enabled DHCP service.

- Set PCs to automatically receive IP addresses via DHCP.
- Successfully tested IP assignment from the server.

## 2. **Basic Router Configuration:**

- Changed the router's hostname to improve identification.
- Set an enable secret password for privileged mode access.
- Configured console line password for physical access security.
- Configured VTY (virtual terminal) passwords for remote access security.
- Saved the configuration to ensure persistence after reboot.