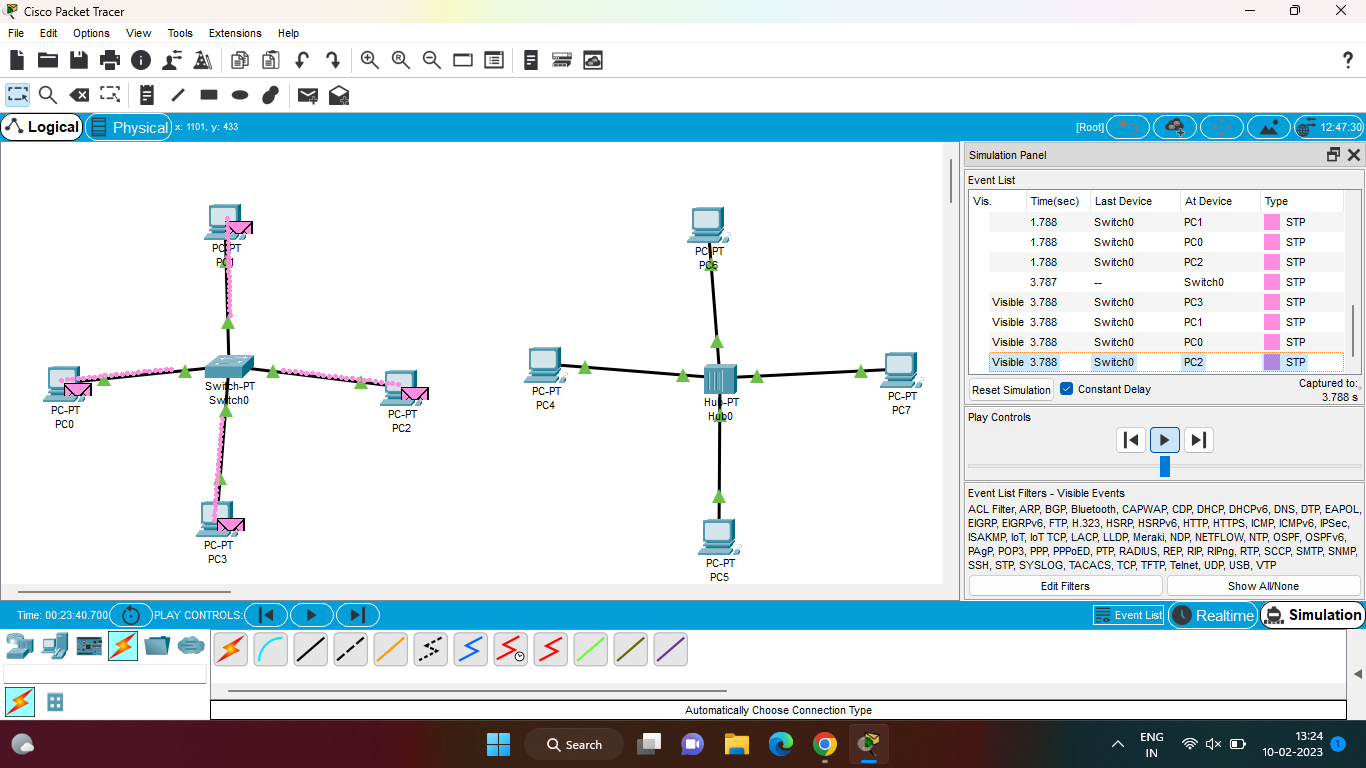
COMPUTER NETWORKS LAB

Name: G.Neeraj Raghava

Reg.no: 192125051

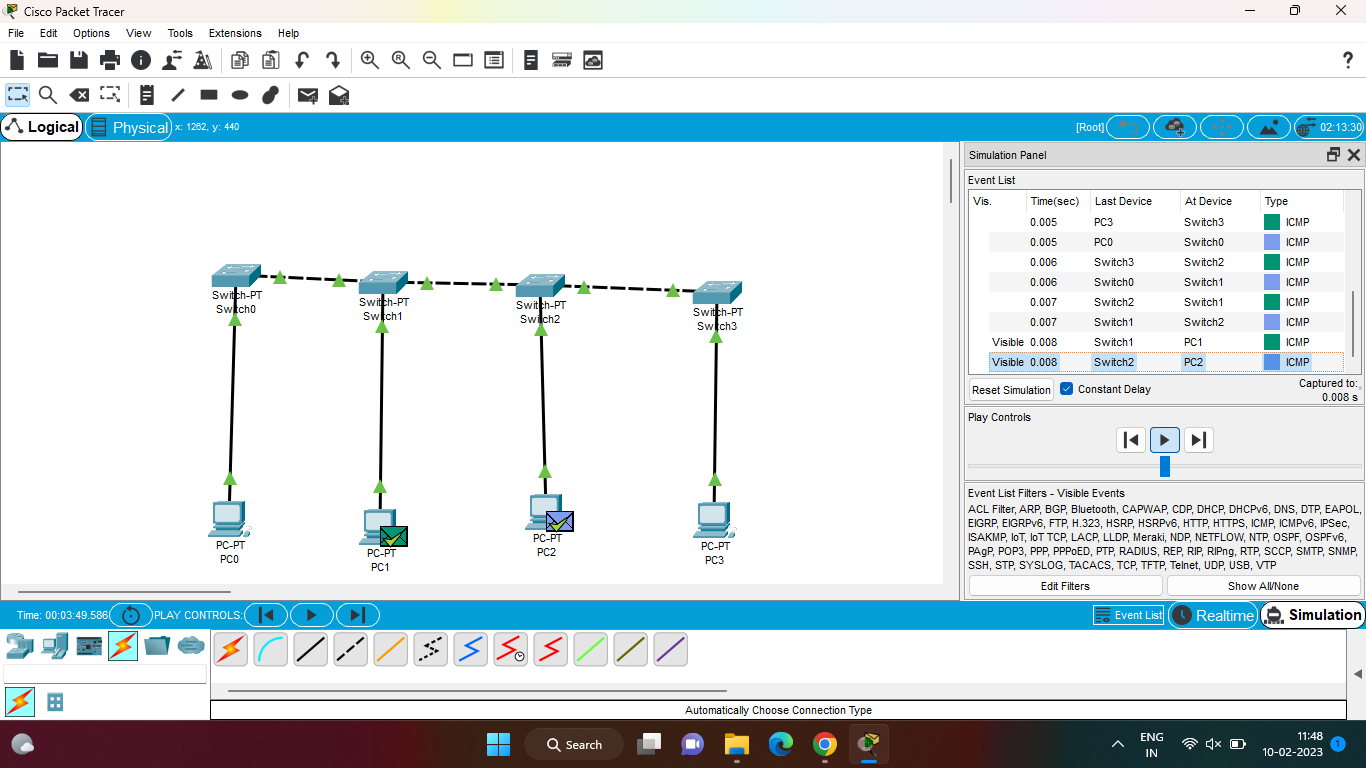
1. Configuration of Network Devices using Packet Tracer 192211123 tools (Hub, Switch, Ethernet, Broadcast)



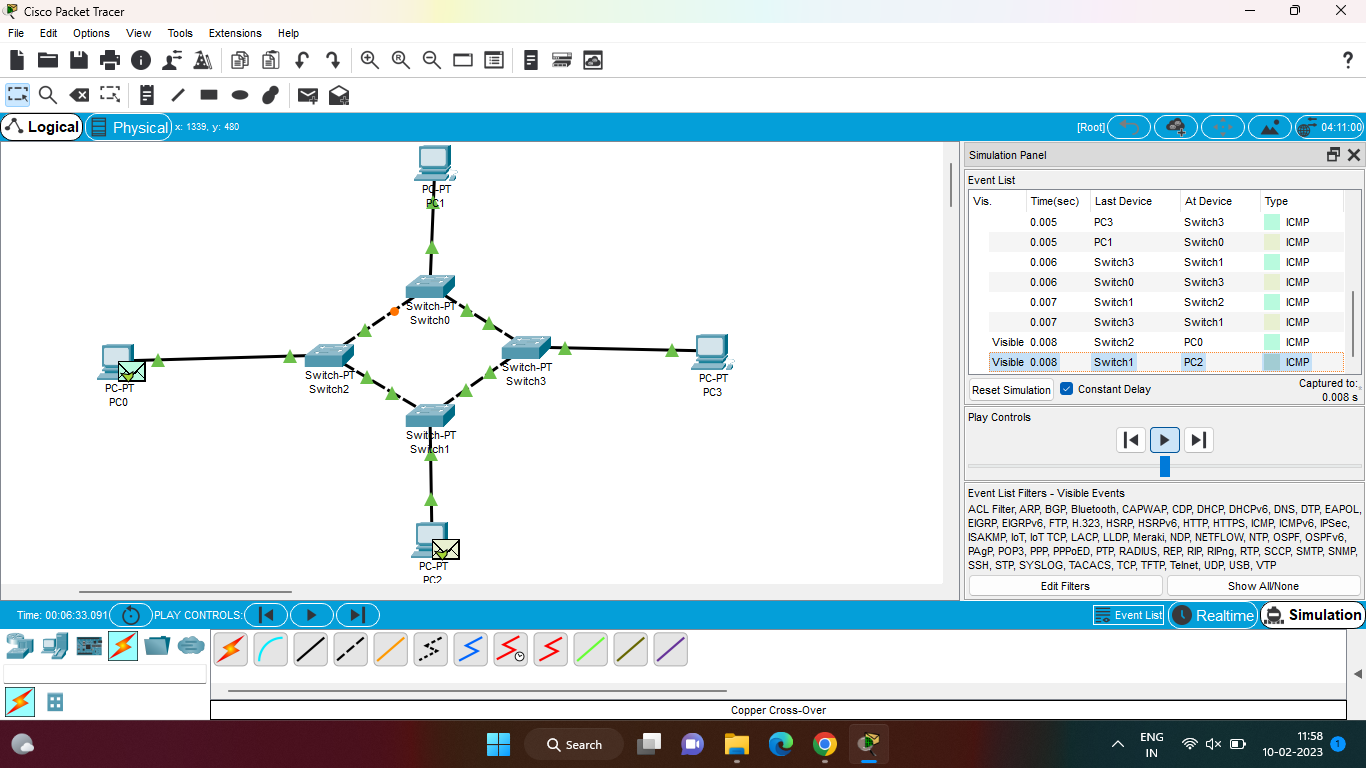
2. Design and Configuration of Star Topologies using Packet Tracer



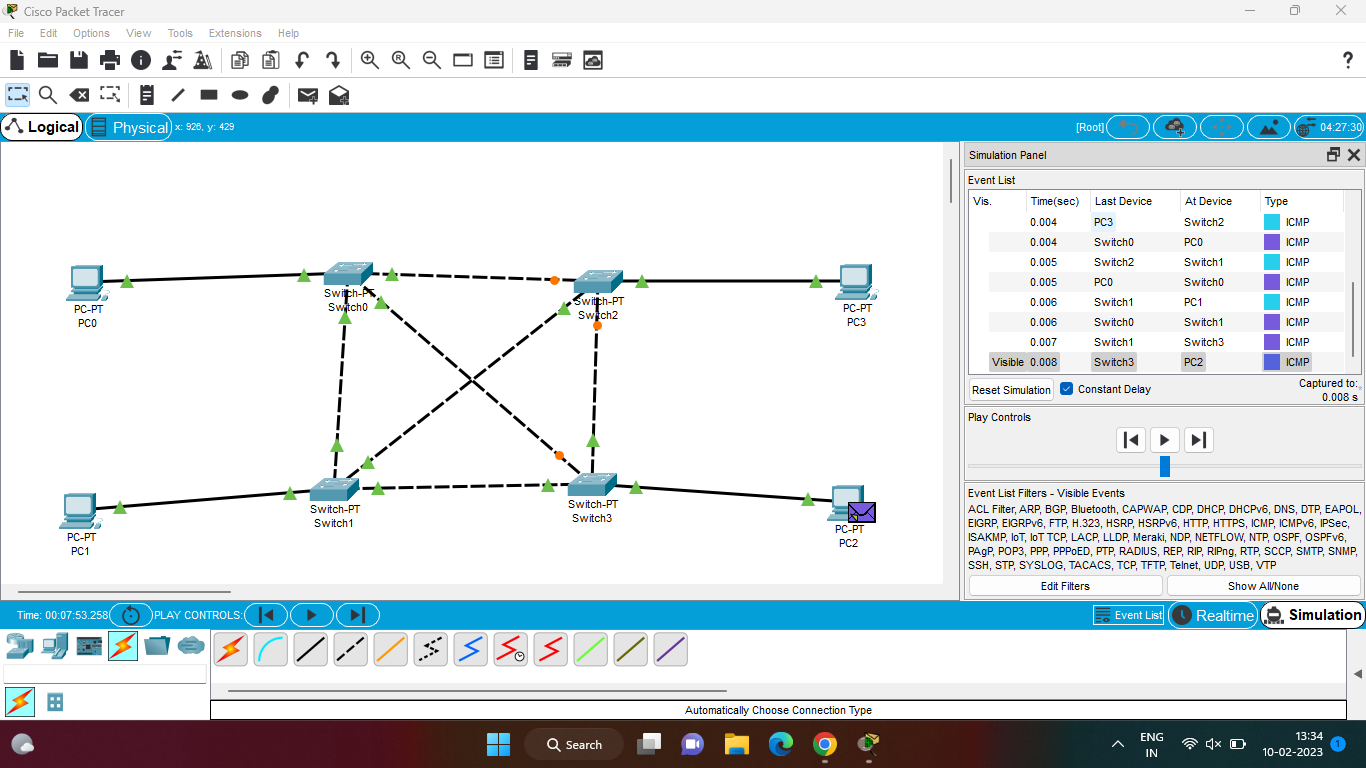
3. Design and Configuration of BUS Topologies using Packet Tracer



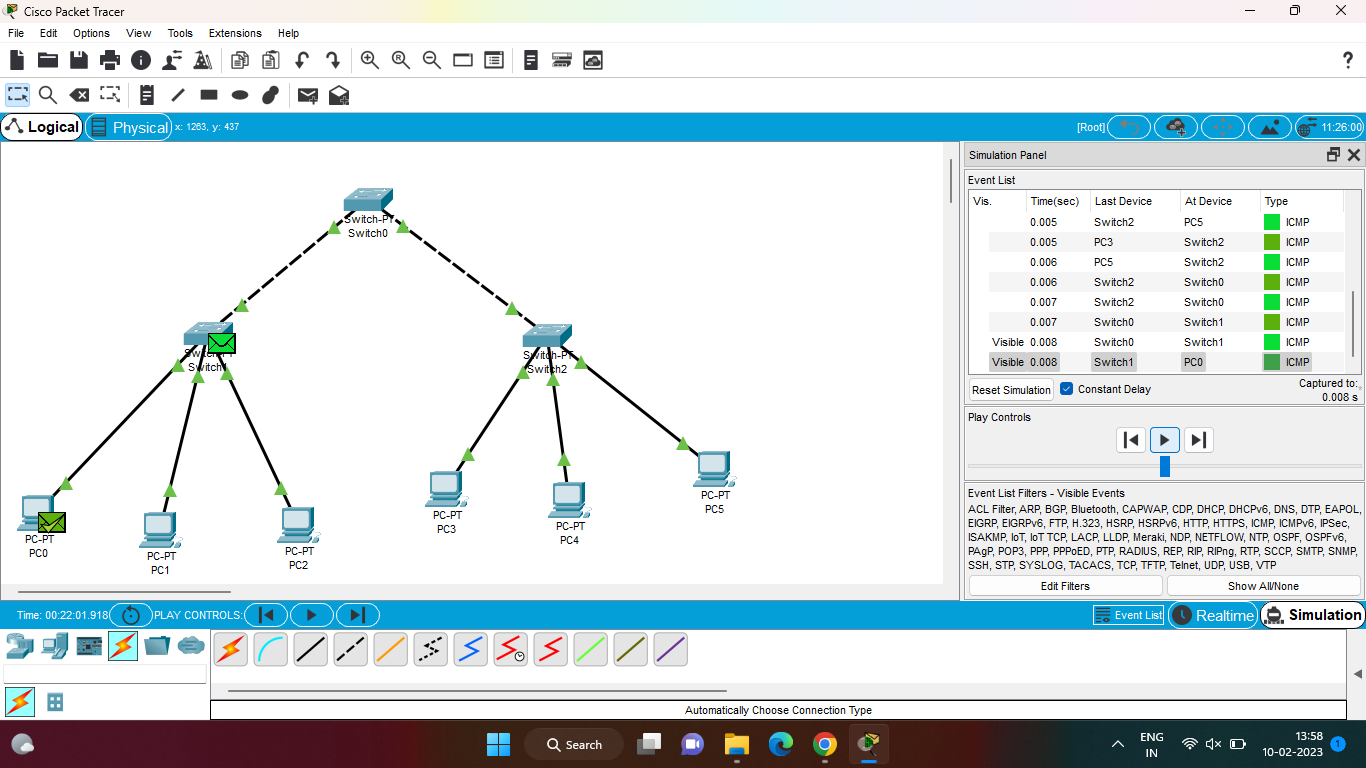
4. Design and Configuration of RING Topologies using Packet Tracer



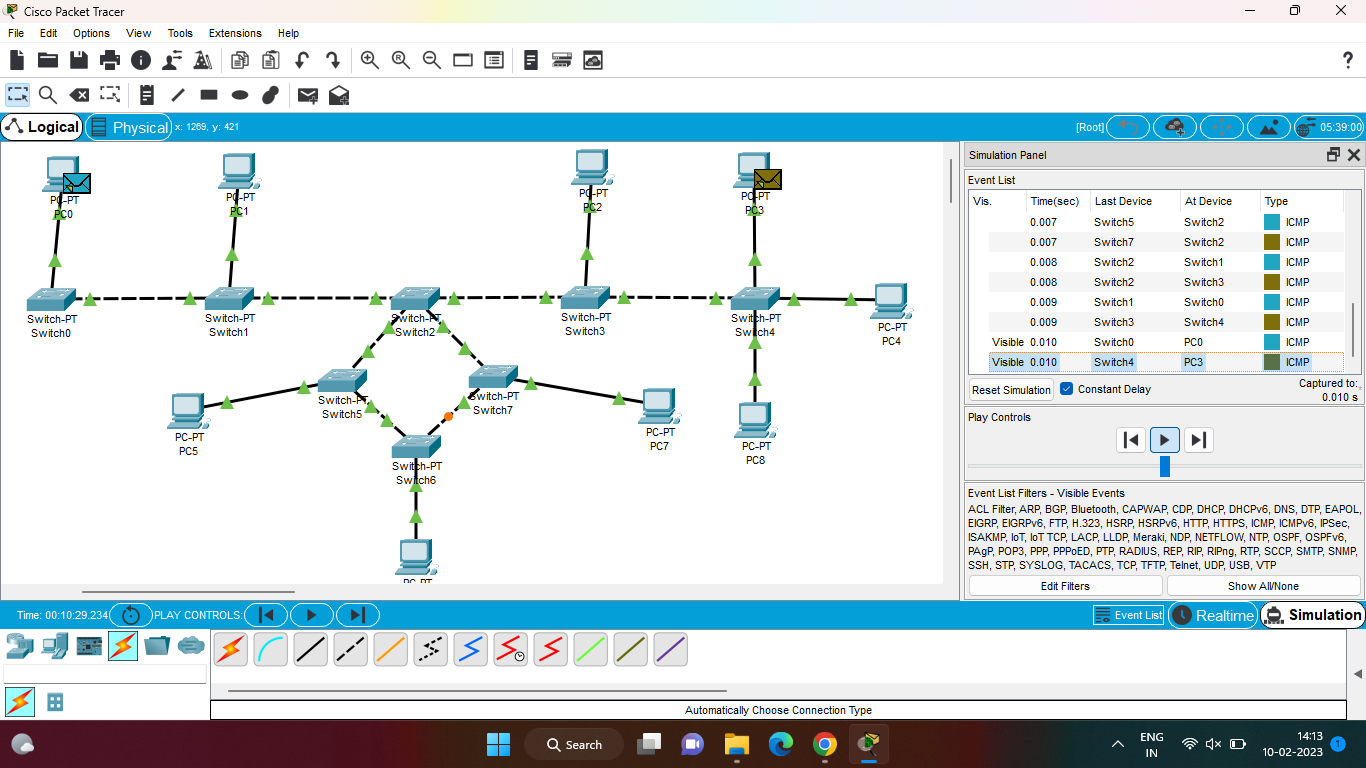
5. Design and Configuration of Mesh Topologies using Packet Tracer



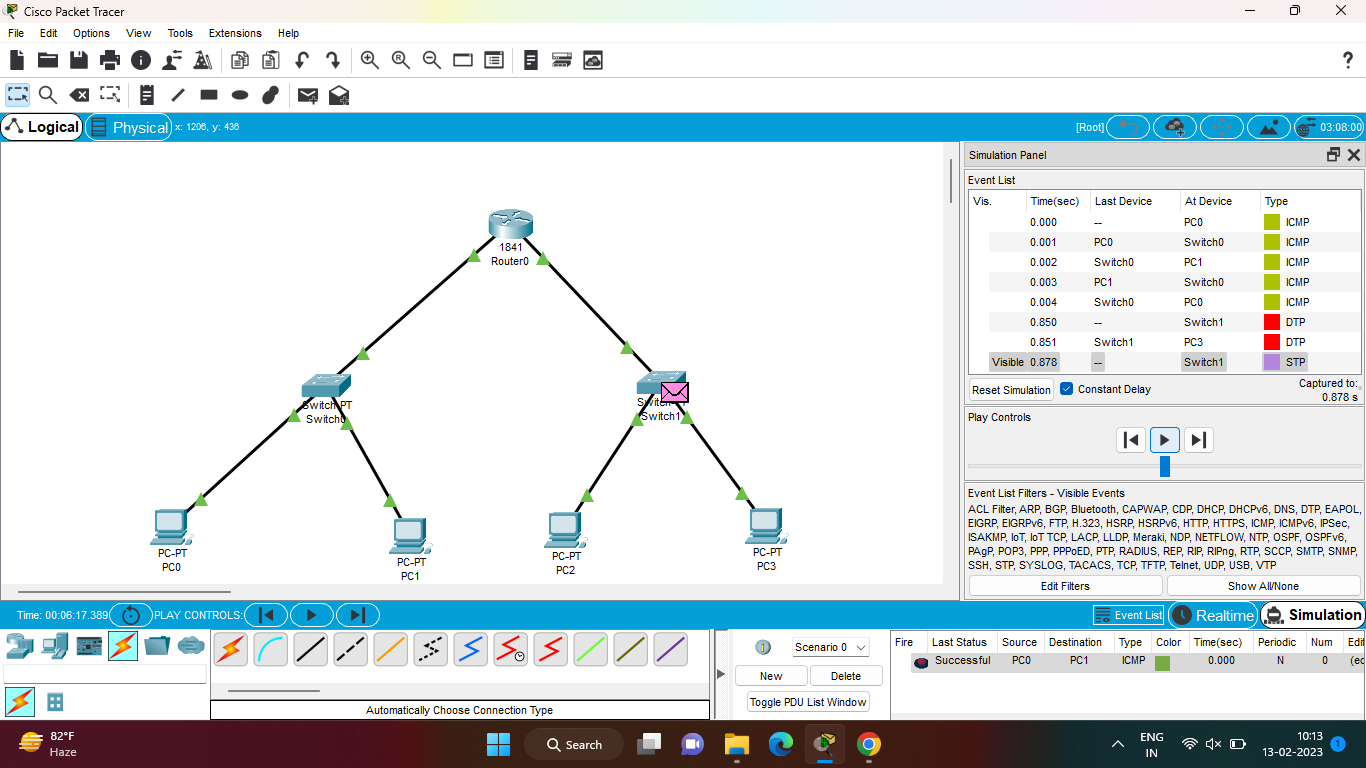
6. Design and Configuration of Tree Topologies using Packet Tracer



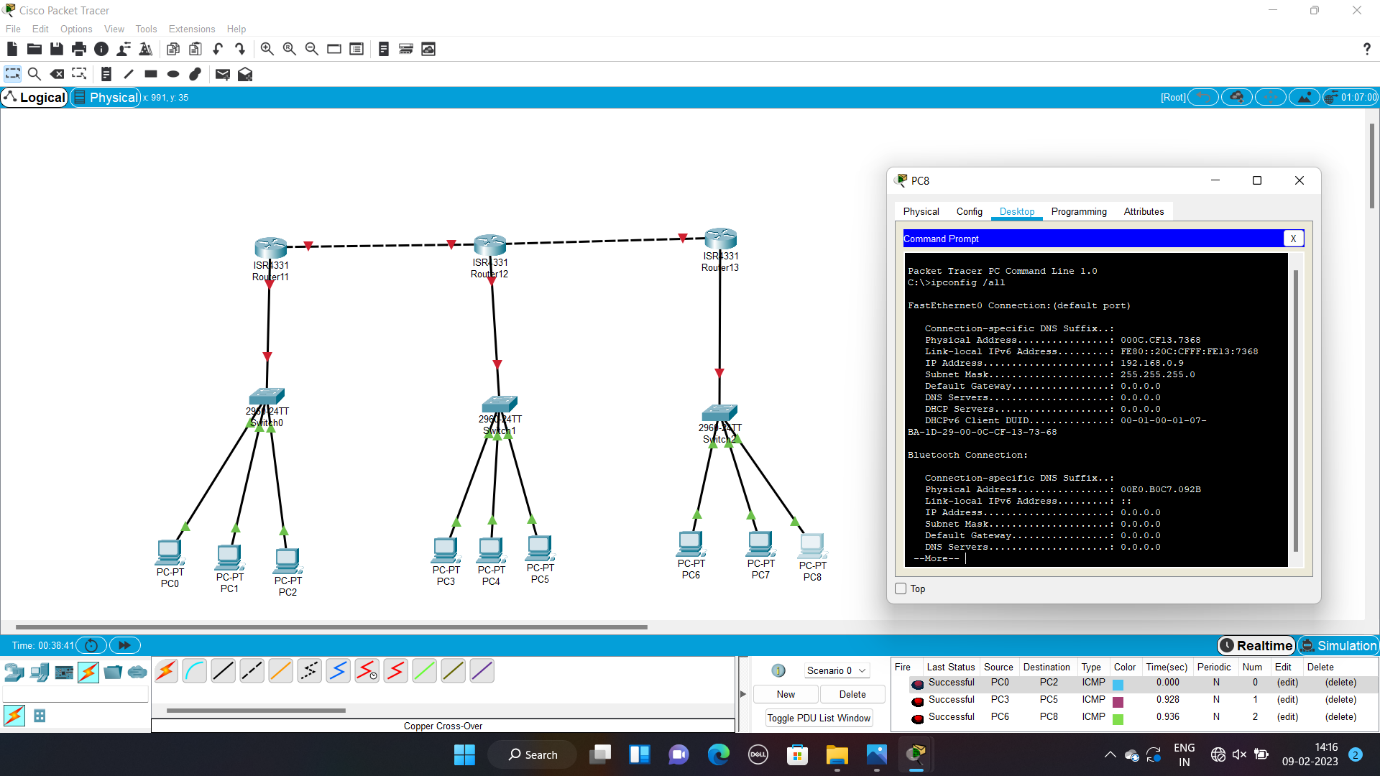
7. Design and Configuration of Hybrid Topologies using Packet Tracer



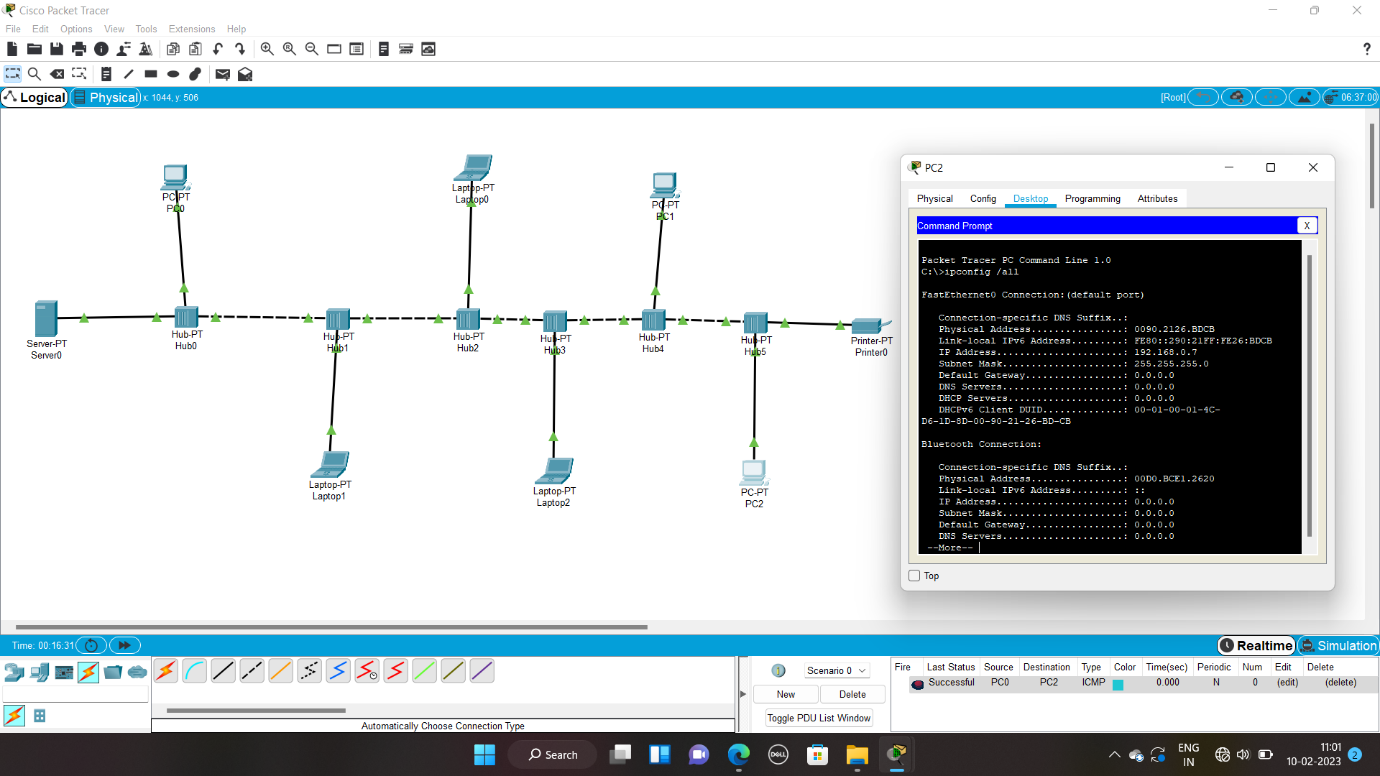
8. Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP

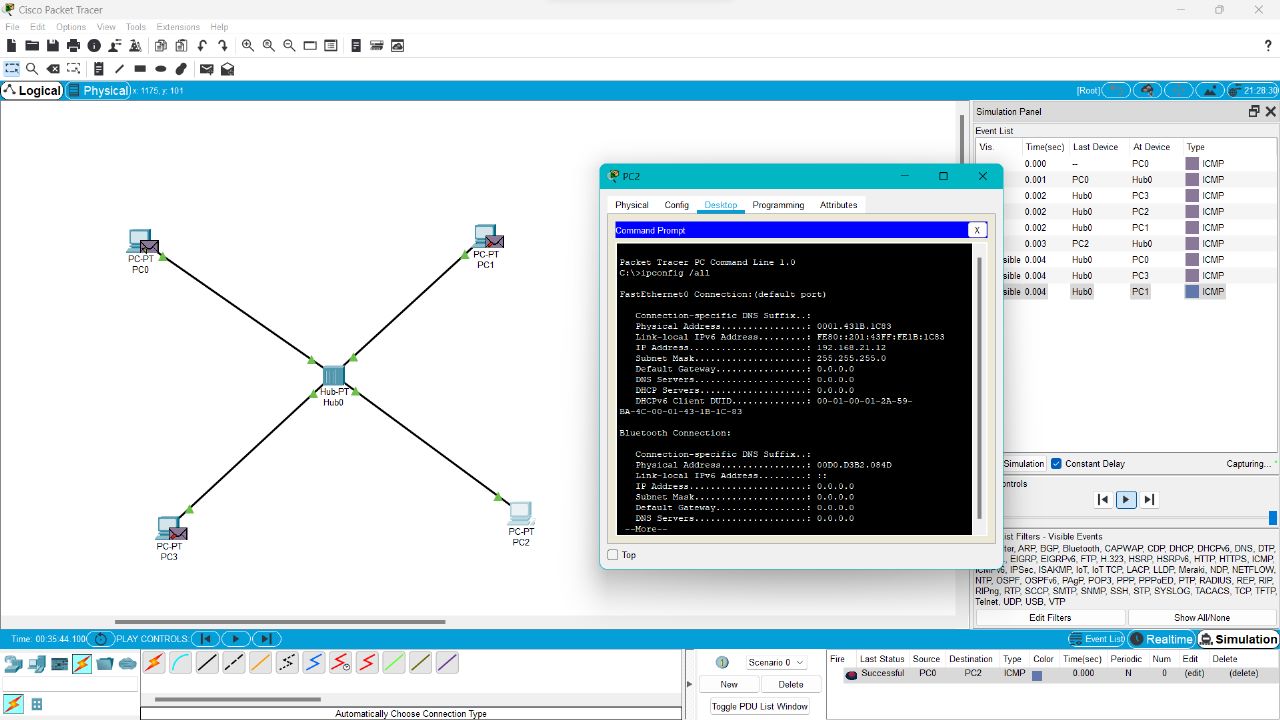


9. Data Link Layer Traffic Simulation using Packet Tracer Analysis of LLDP

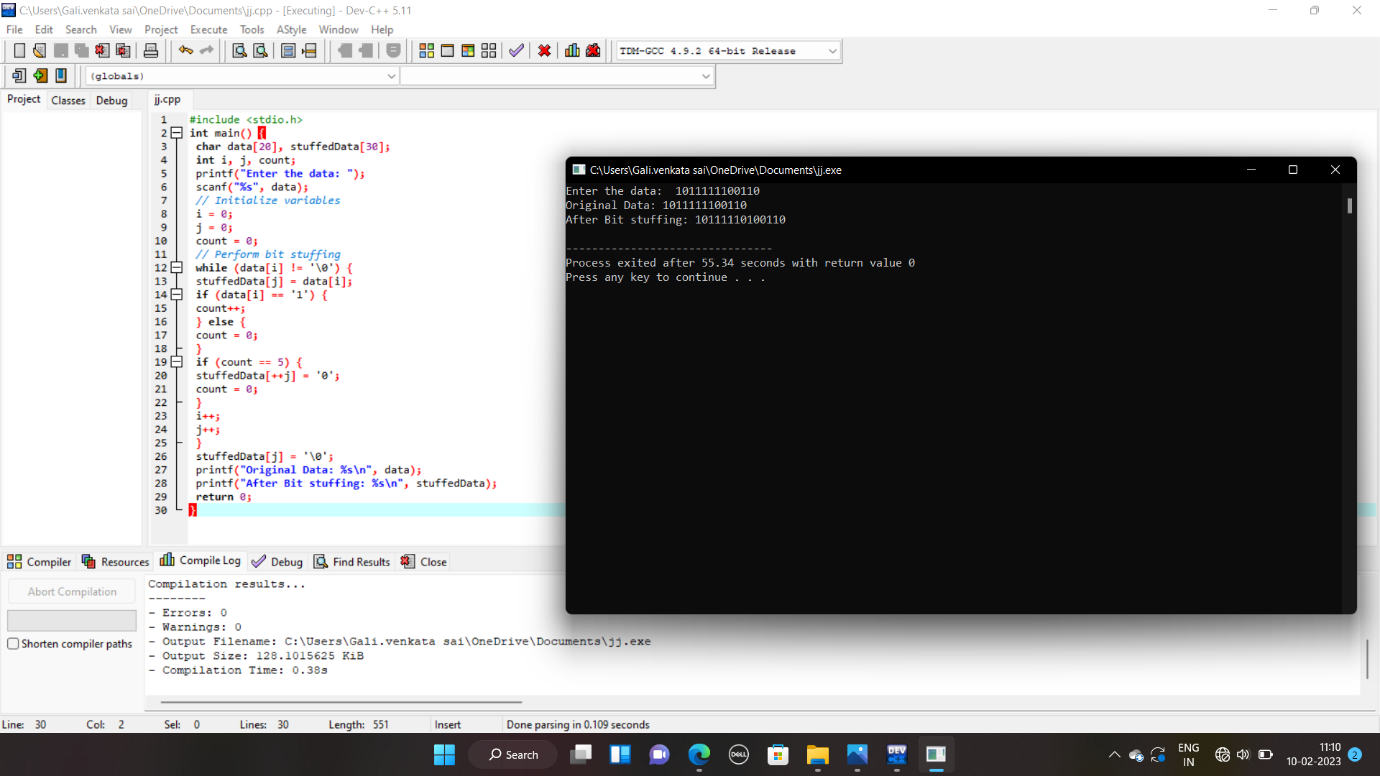


10. Data Link Layer Traffic Simulation using Packet Tracer Analysis of CSMA/CD & CSMA/CA

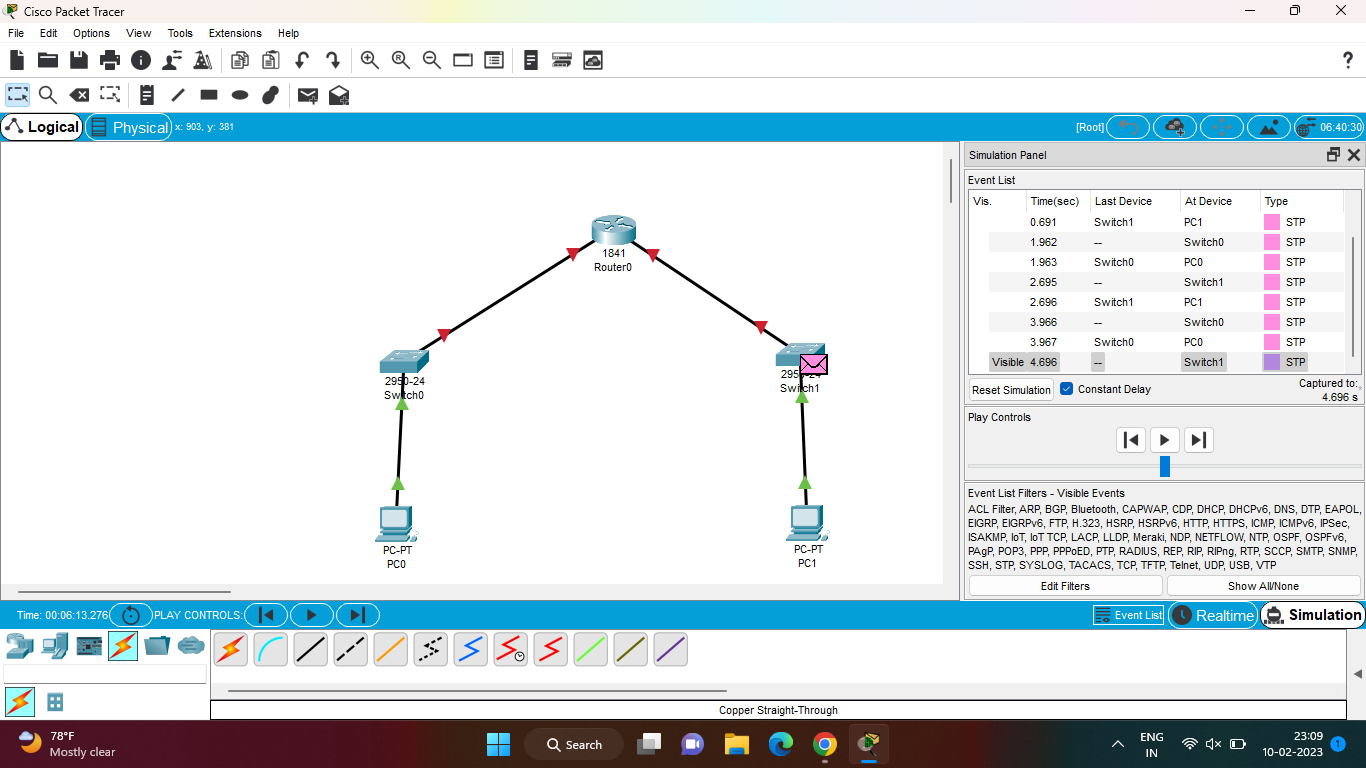




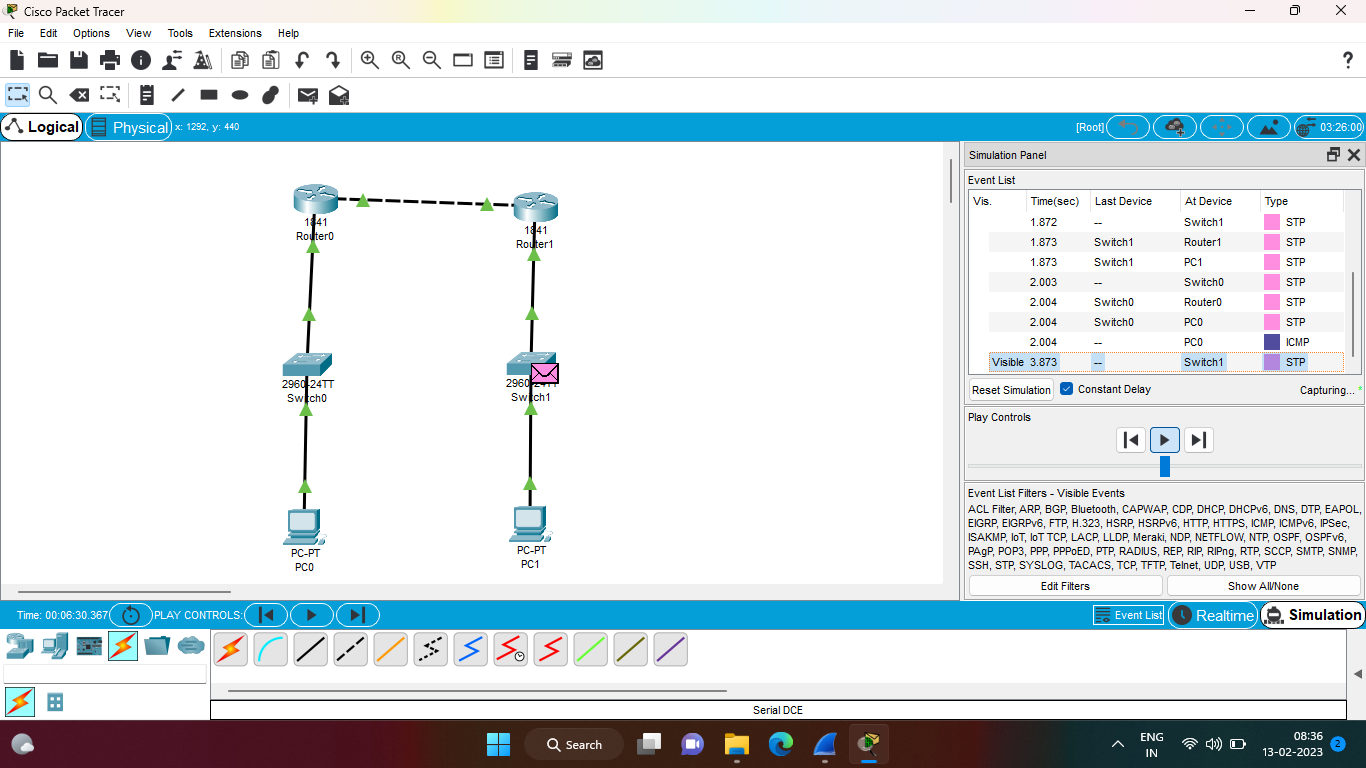
11. Implementation of Bit stuffing mechanism using C



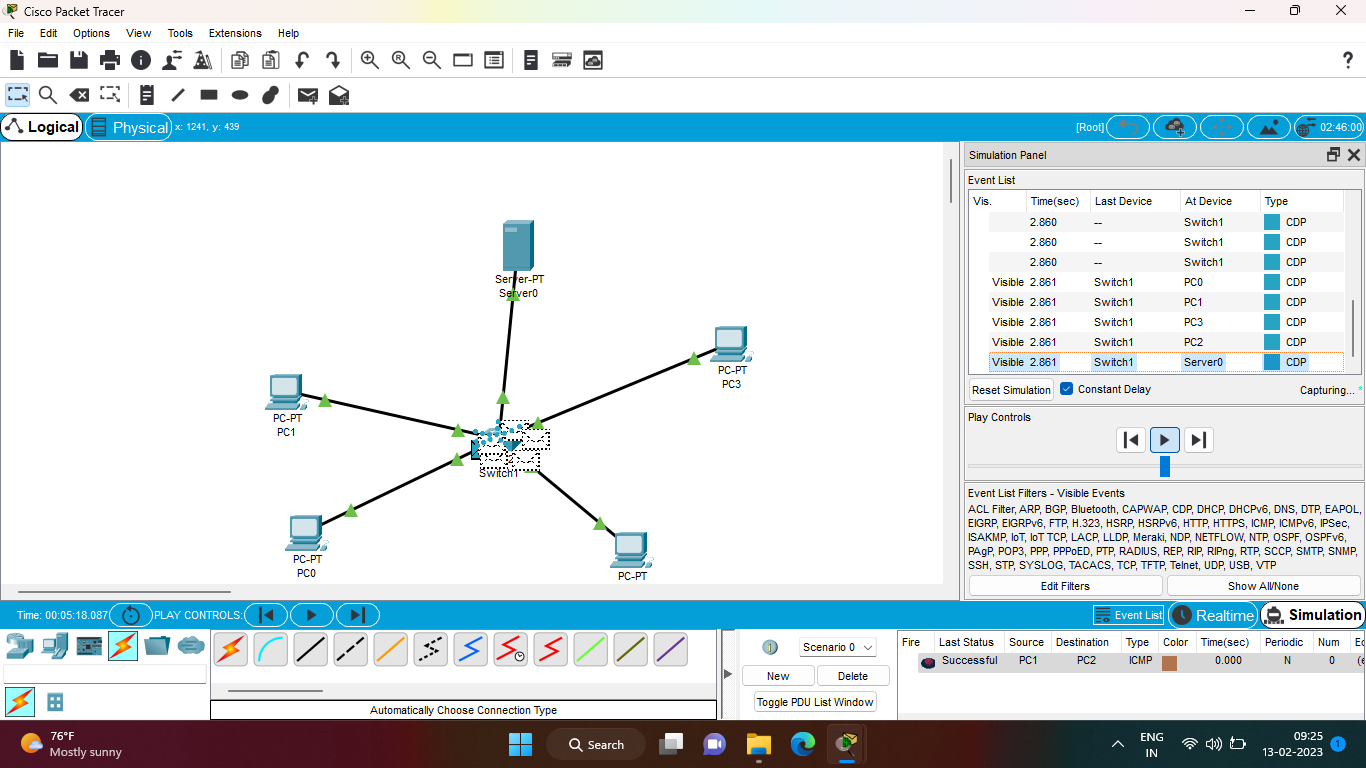
12. To design the two different networks with Static Routing techniques using Packet Tracer



13. To design the Network with Dynamic Routing using Packet Tracer (Distance vector & OSPF)



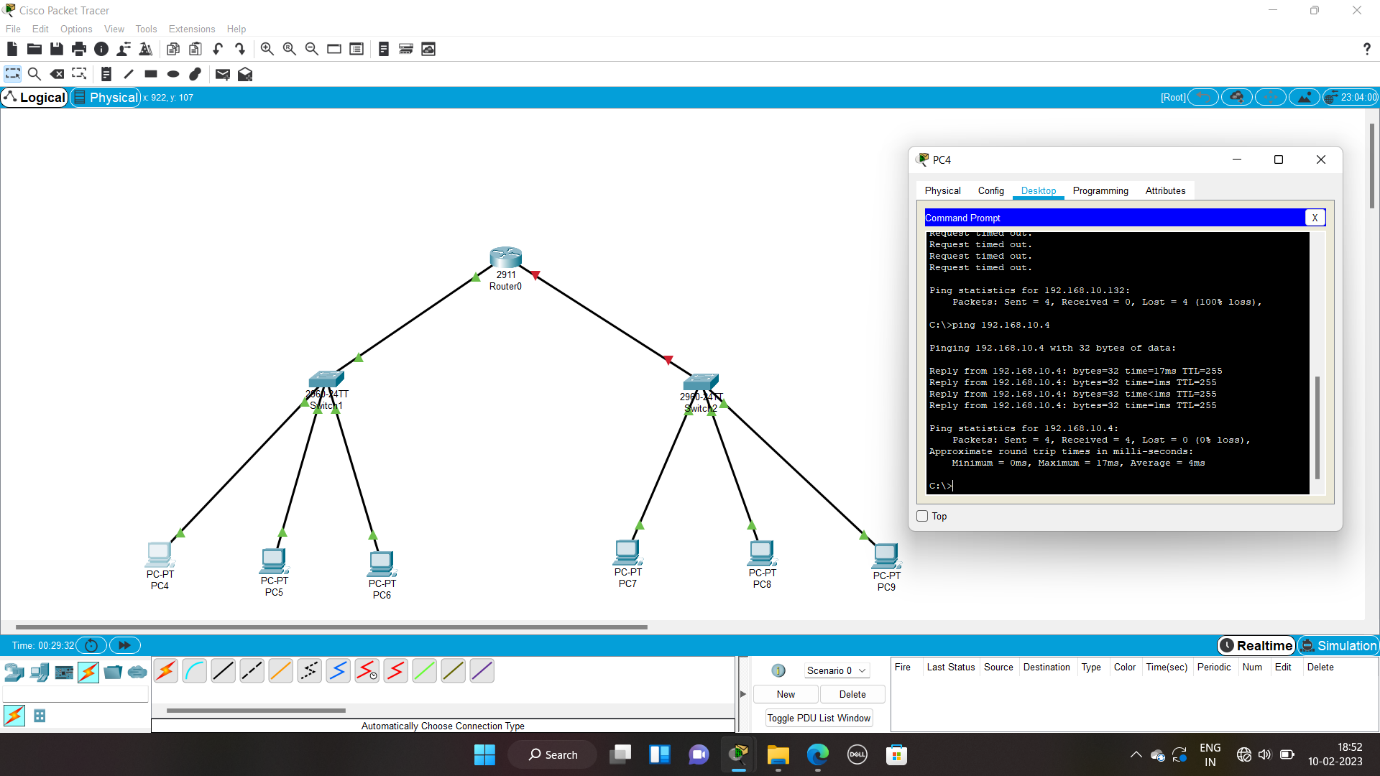
14. Design the Functionalities and Exploration of TCP using Packet Tracer



15. Design the Functionalities of Exploration UDP using Packet Tracer



16. Design the network model for Subnetting – Class C Addressing using packet tracer



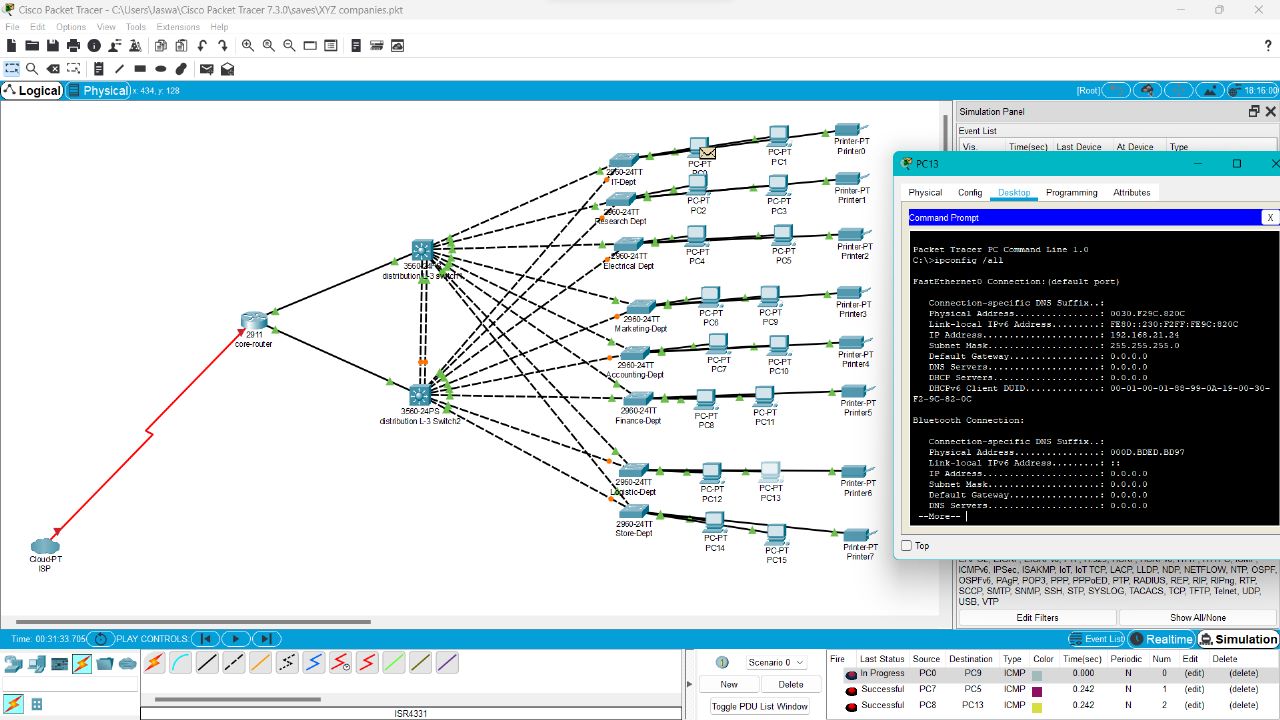
17. Implementation of server – client using TCP socket programming



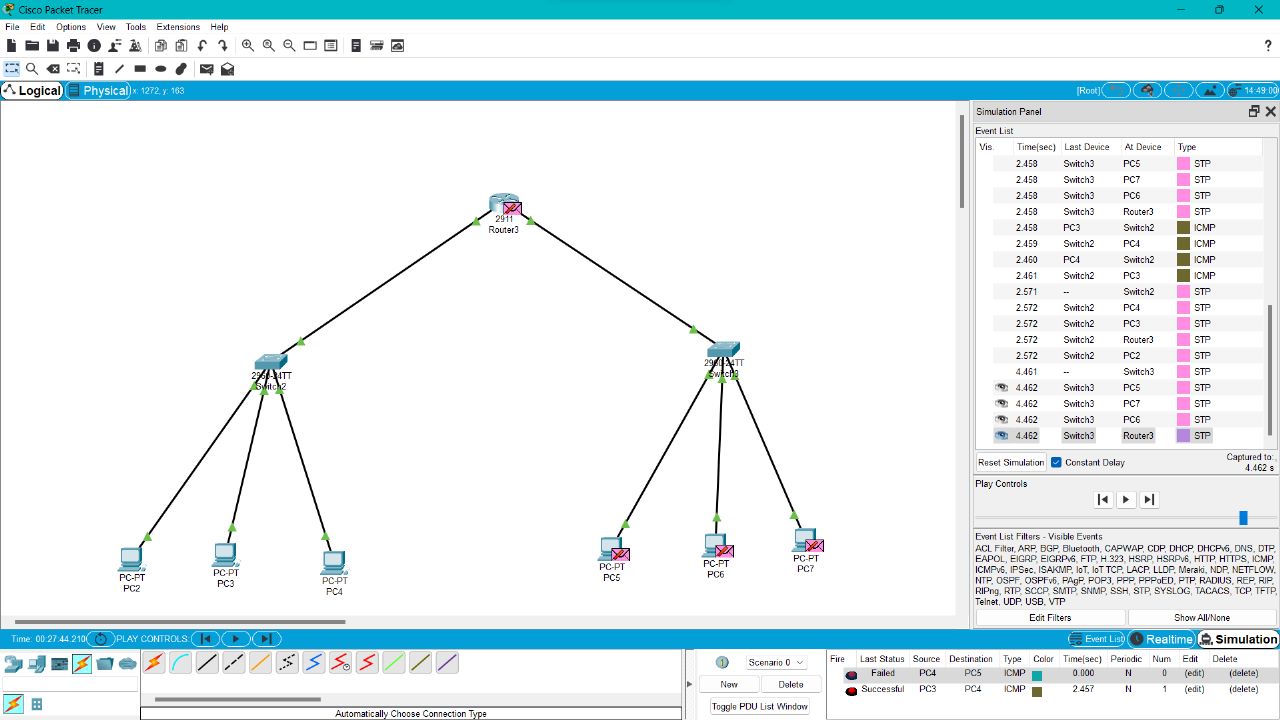
18. Implementation of server – client using UDP socket programming



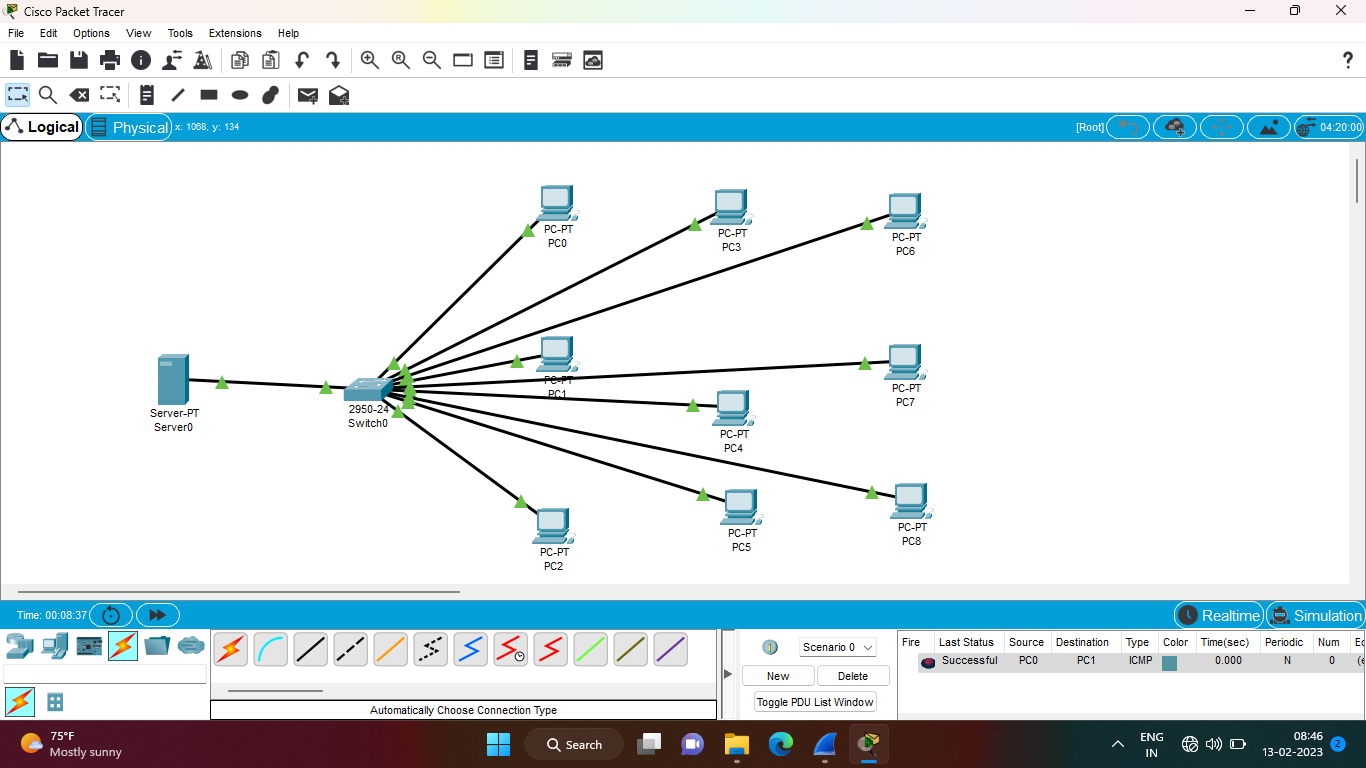
19. Simulating X, Y, Z Company Network Design and simulate using Packet Tracer



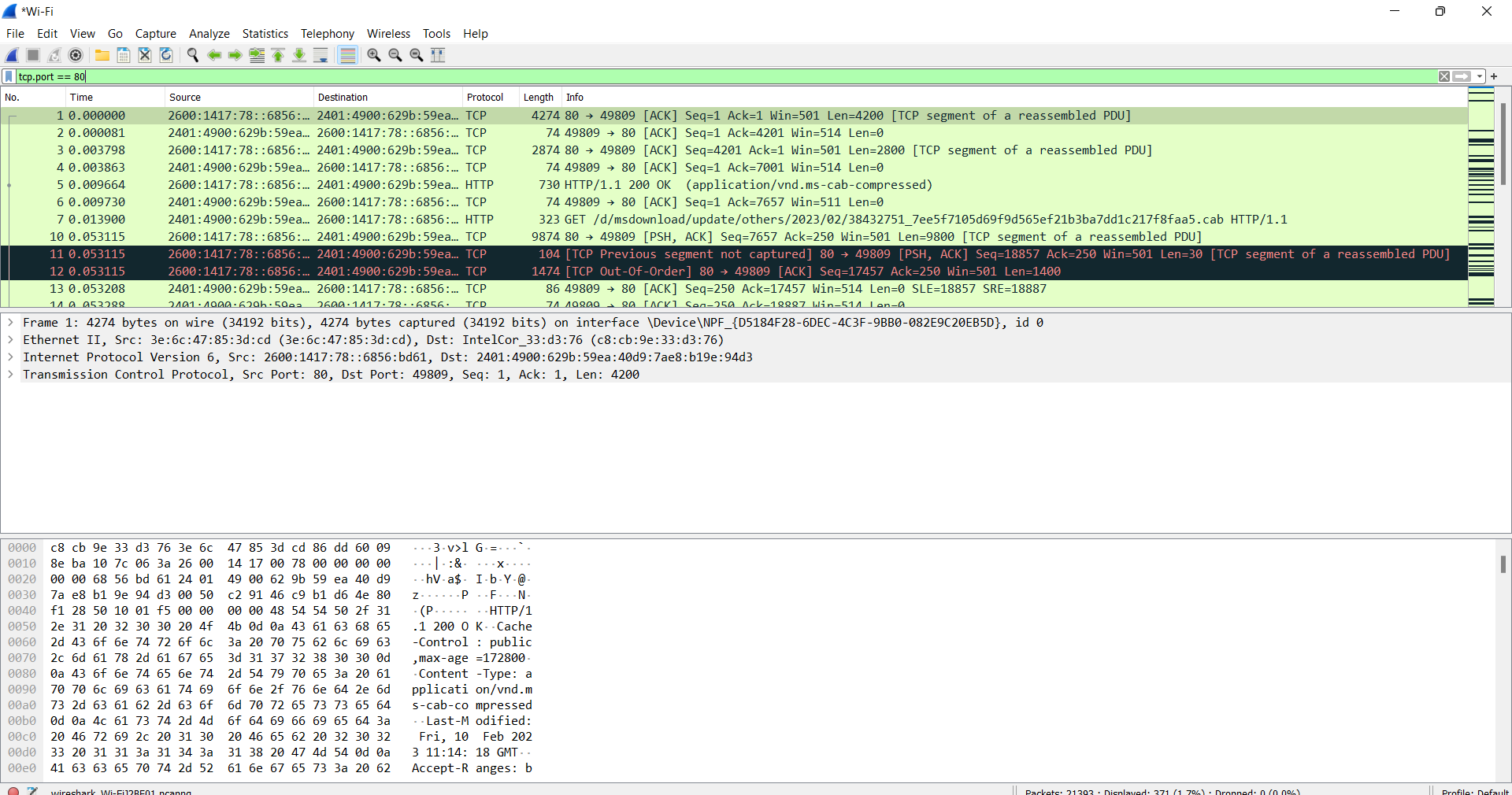
20. Configuration of DHCP (dynamic host configuration protocol) in packet tracer



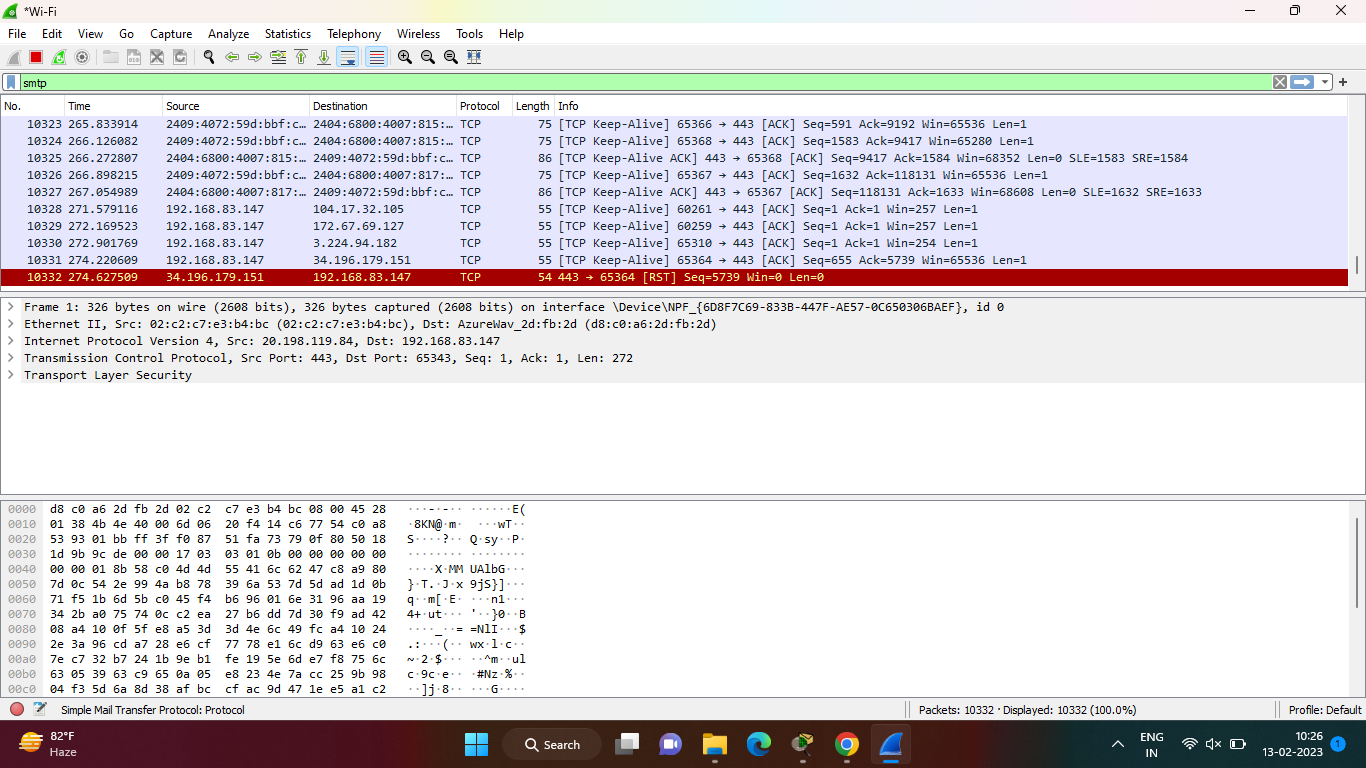
21.Make a Computer Lab to transfer a message from one node to another to design and simulate using Cisco Packet Tracer



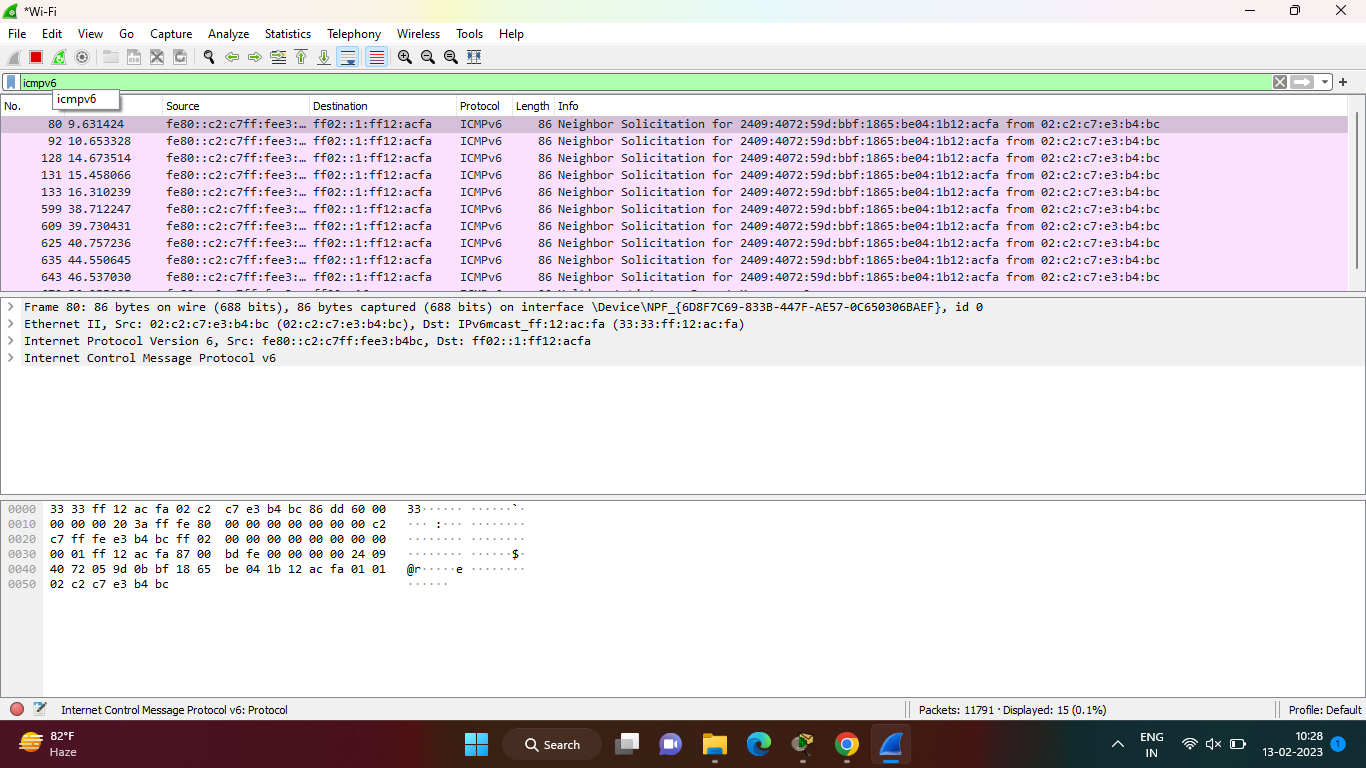
22. Transport layer protocol header analysis using Wireshark- TCP



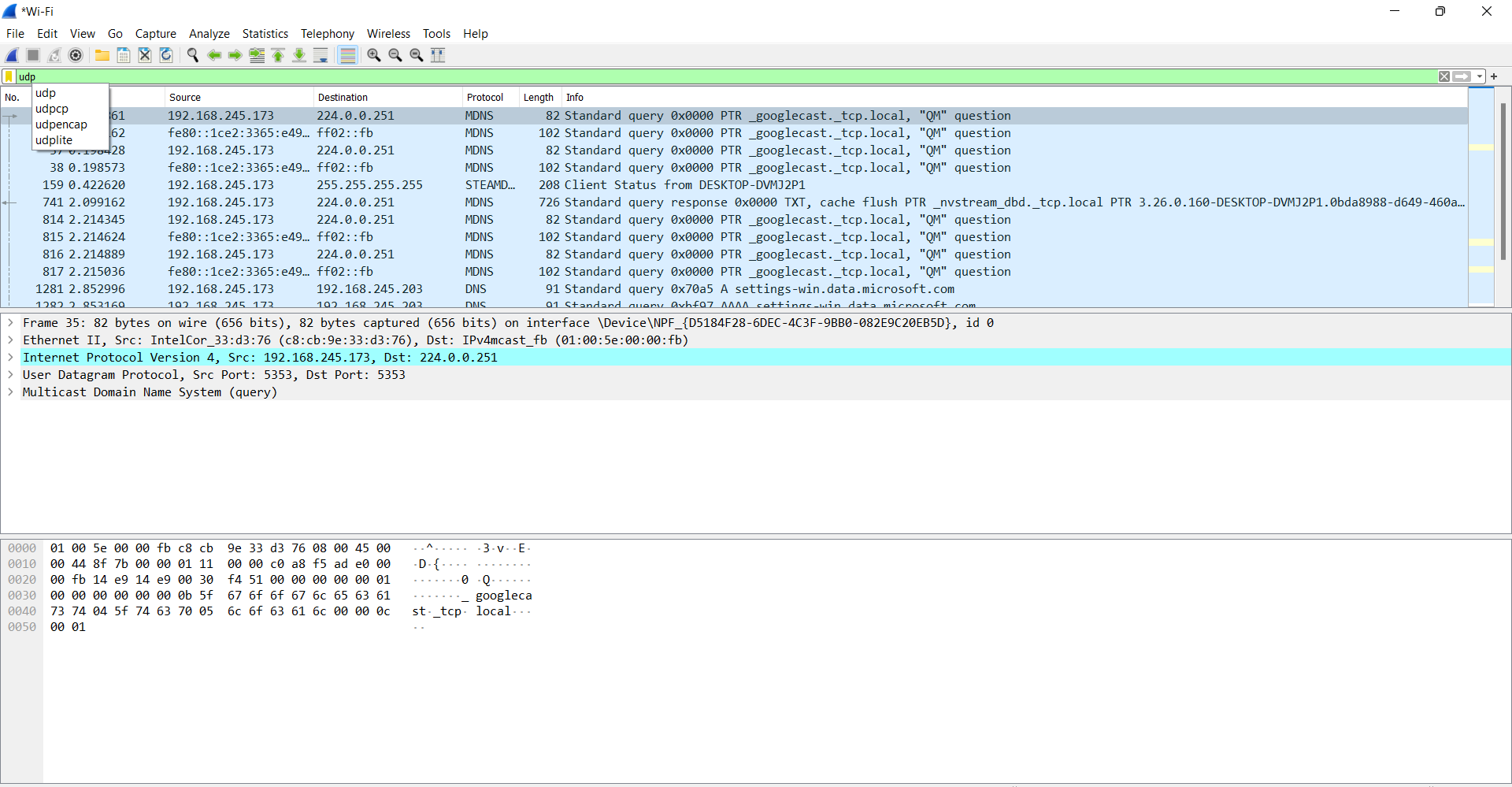
23. Network layer protocol header analysis using Wireshark – SMTP



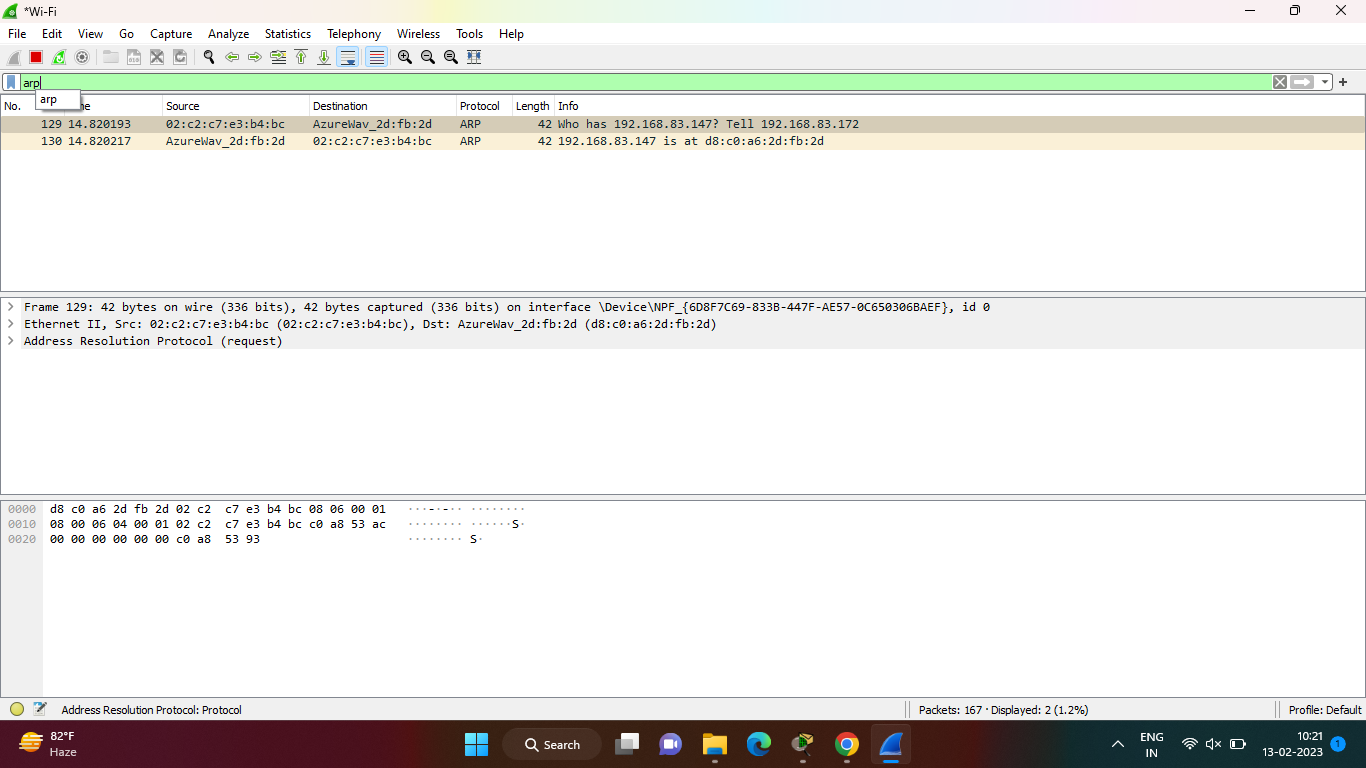
24. Network layer protocol header analysis using Wireshark – ICMP



25. Transport layer protocol header analysis using Wireshark – UDP



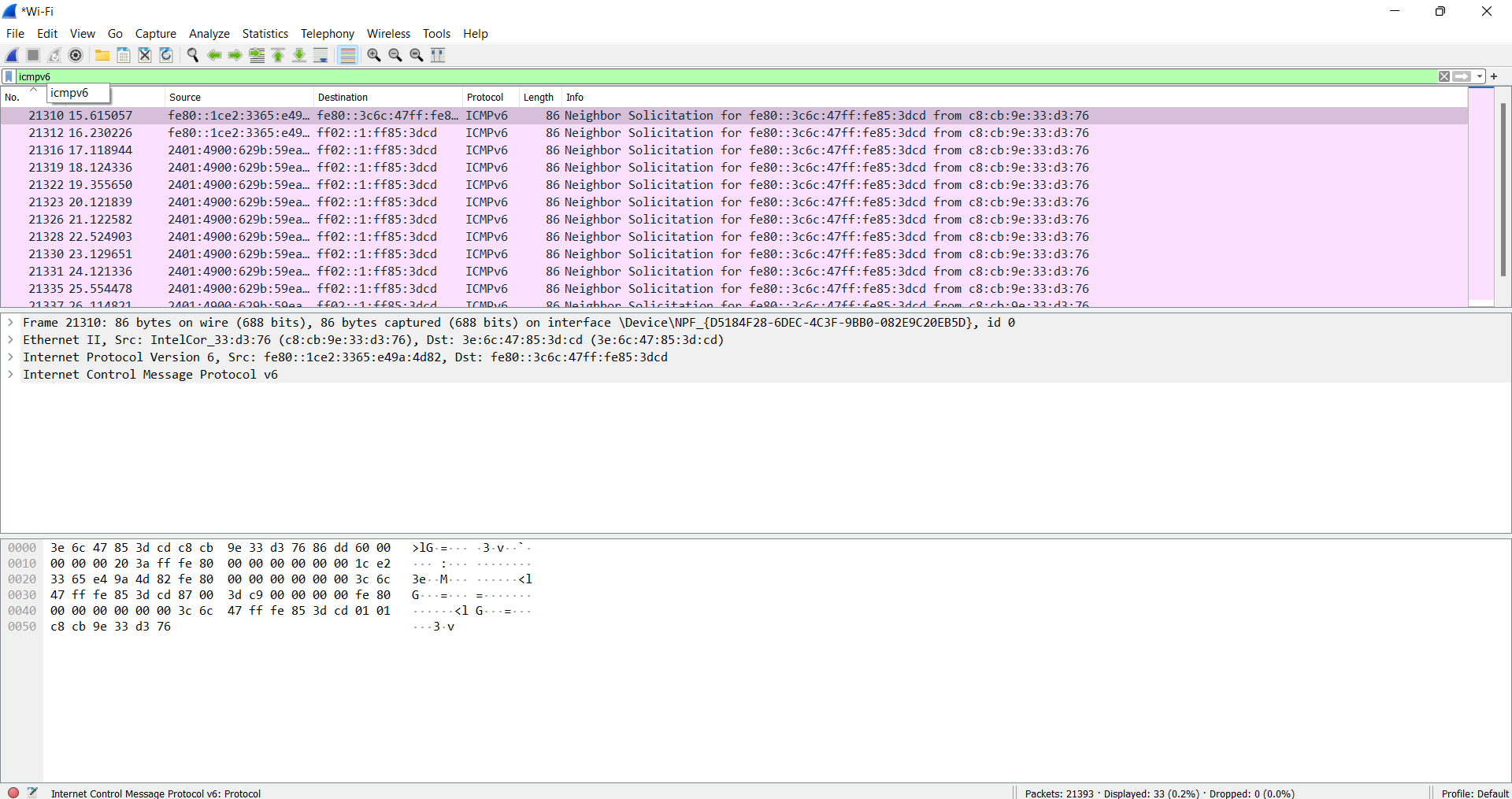
26. Network layer protocol header analysis using Wireshark – ARP



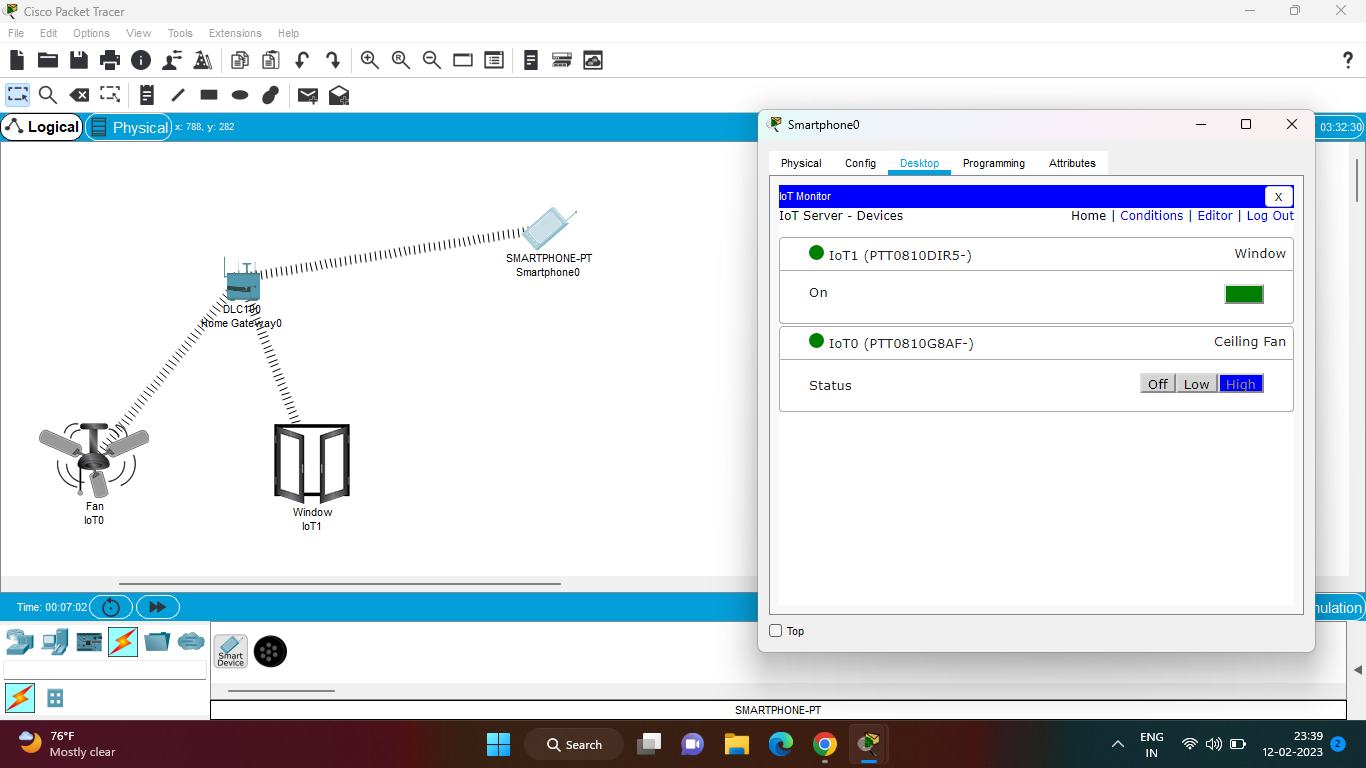
27. Network layer protocol header analysis using Wireshark – HTTP



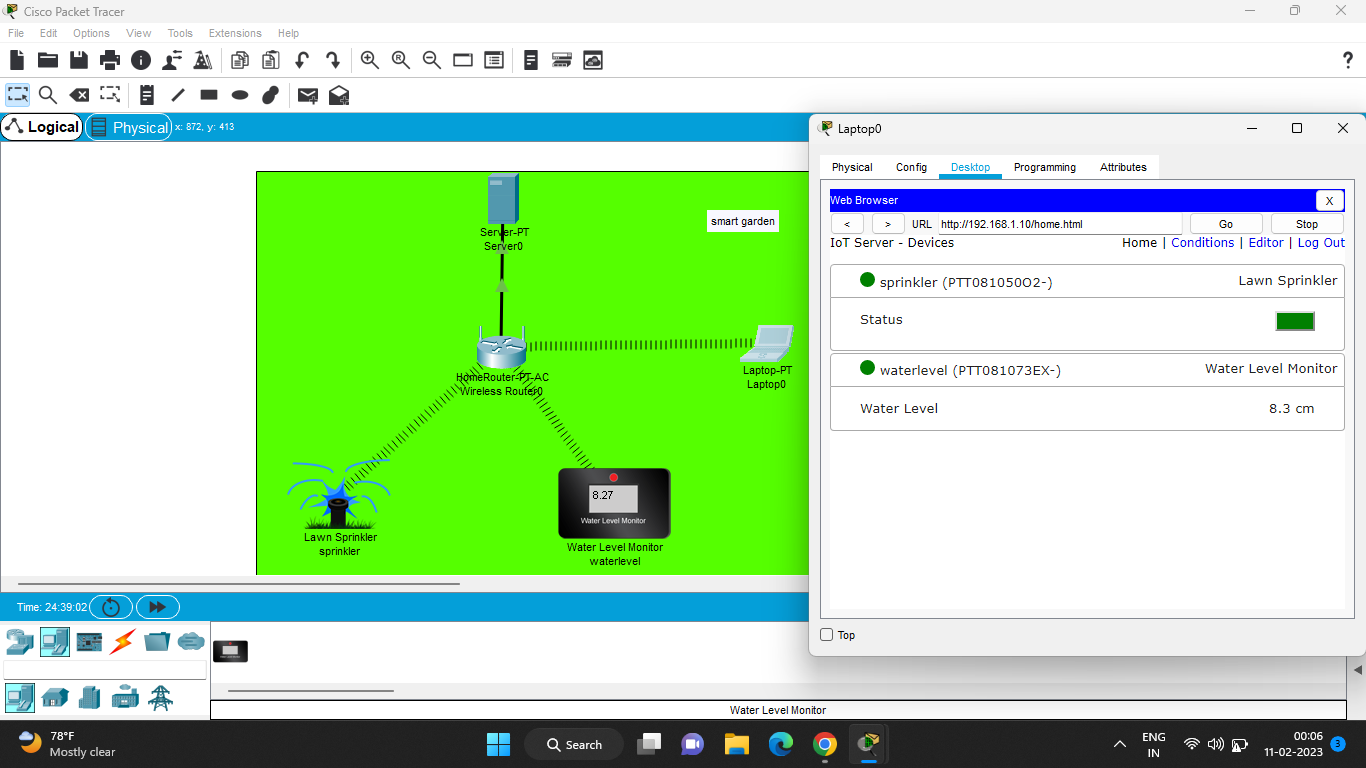
28. Demonstration of PING operation using ICMP in Wireshark

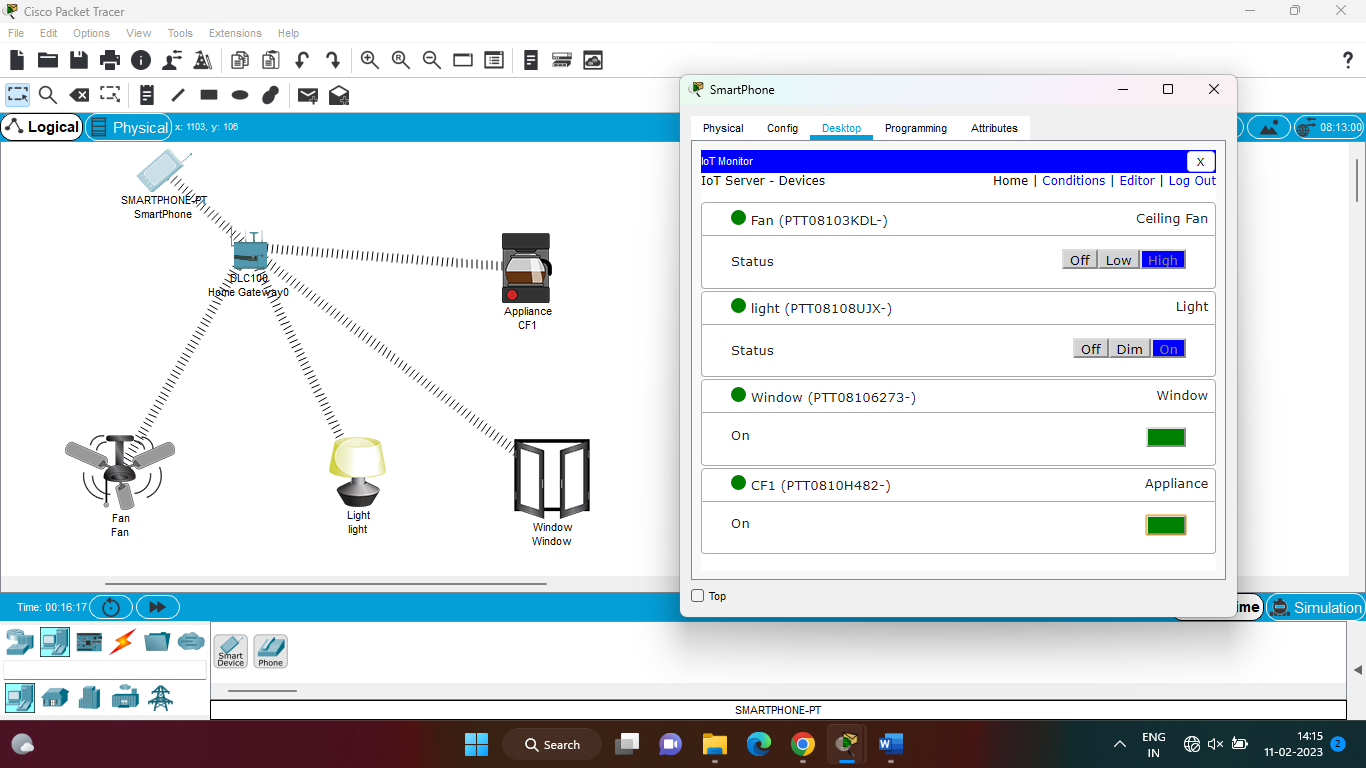


29. IOT Based Smart Home Using Cisco Packet Tracer



30. Smart Garden in Cisco Packet Tracer



31. Control of Fan, Light, Window & Application of Using Cisco Packet Tracer 

32. IOT Devices in Networking Using Cisco Packet Tracer

