Lab A Practice Proof Screenshot

Submission
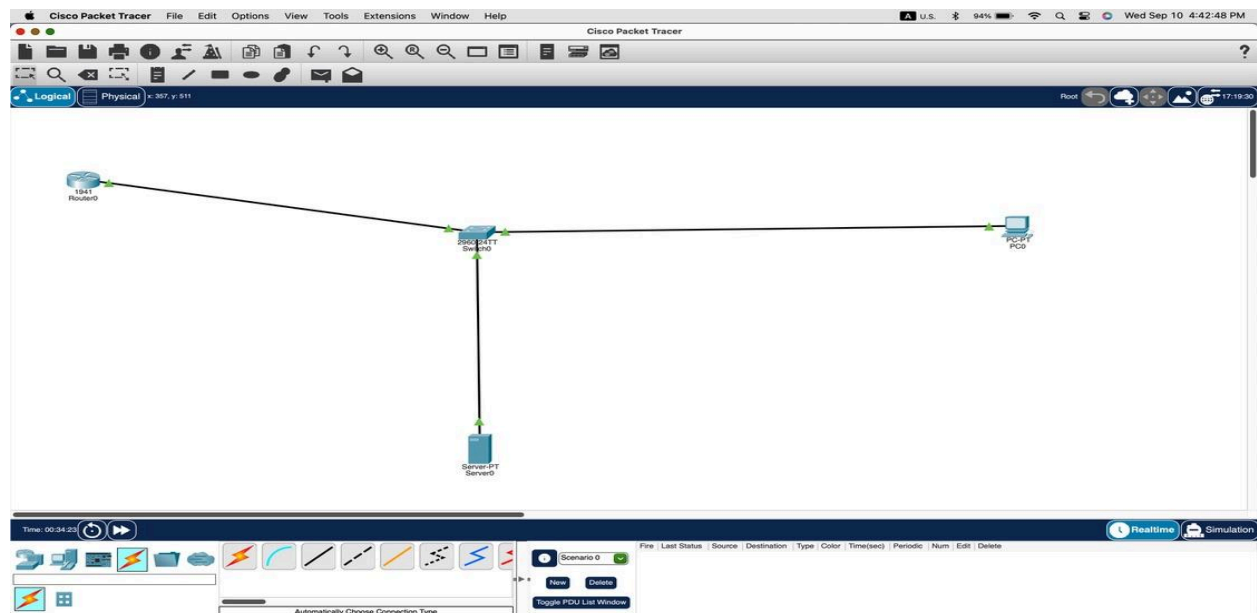
Course: **Cisco l- Intro to networks**

Week: 5

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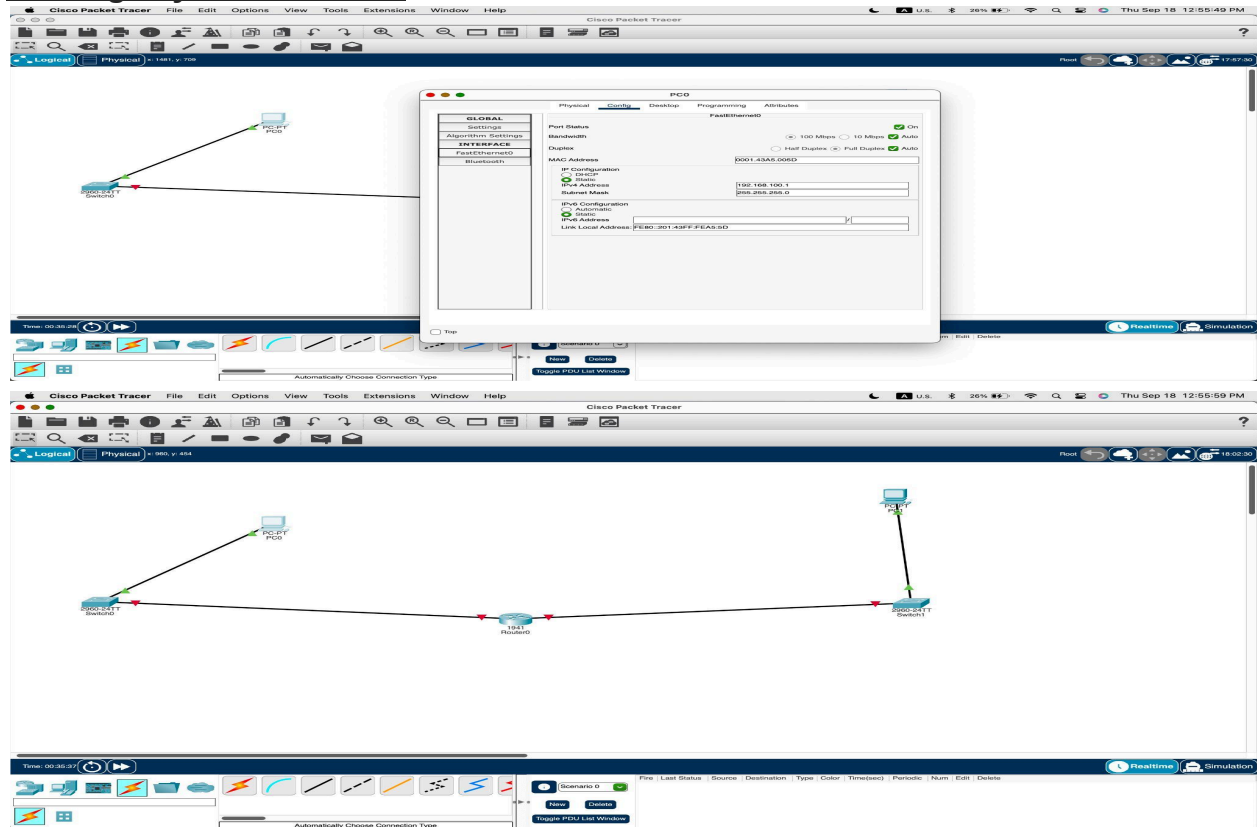Date:9/18/2025

Activity 1
Identifying Layers

In Packet Tracer, identifying layers means recognizing how each device or protocol operates within the OSI model, such as switches at Layer 2 and routers at Layer 3. This helps in troubleshooting by mapping network functions to their respective OSI layers for better understanding of data flow.
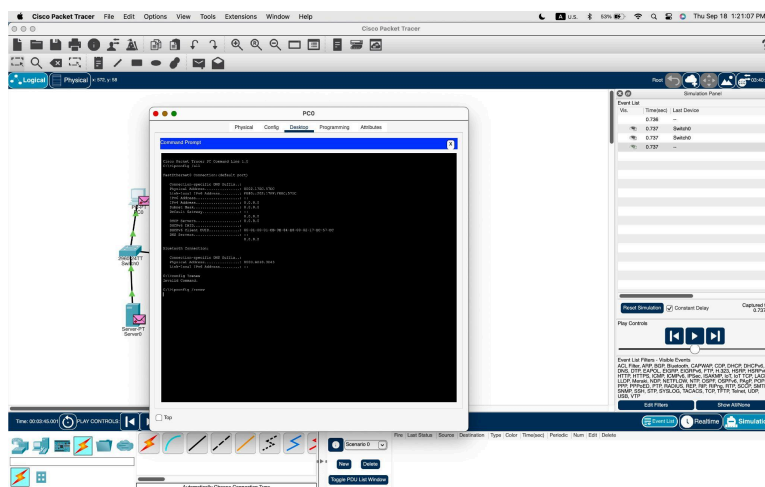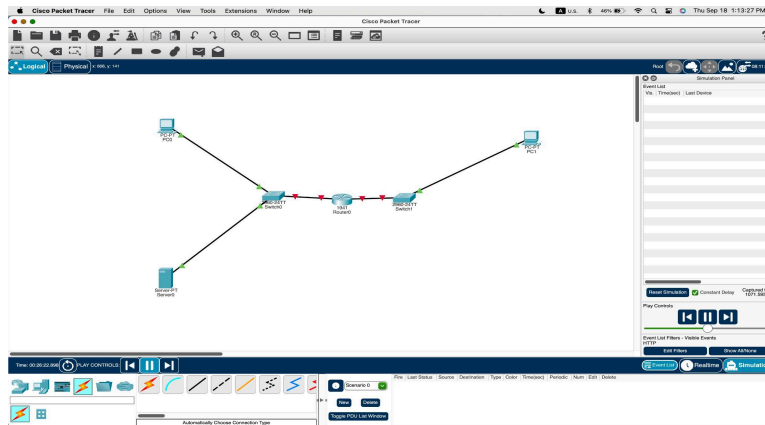
Activity 2
Viewing Layers in Packets

Simulation Mode shows how data moves through the OSI layers step by step. This allows you to observe encapsulation, de-encapsulation, and the role of each layer in the communication process.

Activity 3

Working with the DHCP Client

Working with the DHCP client in Packet Tracer involves configuring a device to automatically obtain an IP address, subnet mask, gateway, and DNS from a DHCP server. This simplifies network management by reducing the need for manual IP configuration.