Register No:	**99220040570**
Name	**K.Hanumaan**
Class/Section	**8501A/S06**
Ex. No:	**1**
Name of the Experiment	**Study of Network Tool – Packet Tracer**
Google Drive link of the packet tracer file (give view permission):	https://drive.google.com/drive/folders/1FuCTvBTUh5XnyRgpvwUWLaT9ISQ4OYKs?usp=drive_link

1. **Device Requirements:**

   1. Switch

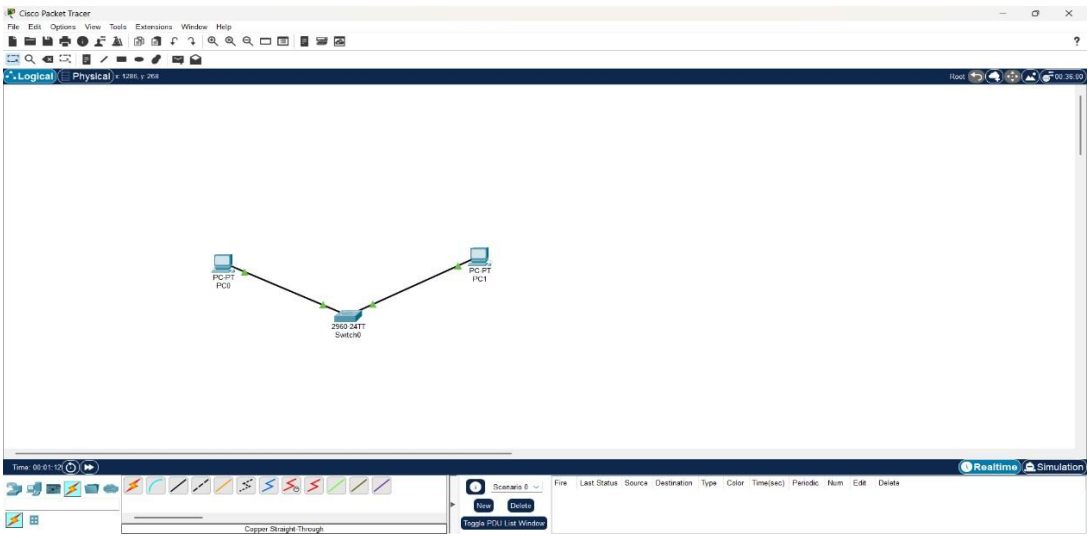
   2. PC0

   3. PC1

   4. Wires

2. **Network Diagram for your experiment (draw the diagram either hand drawing/ms paint or any other drawing tools)**

3. **Network Diagram (packet tracer diagram before configuration):**



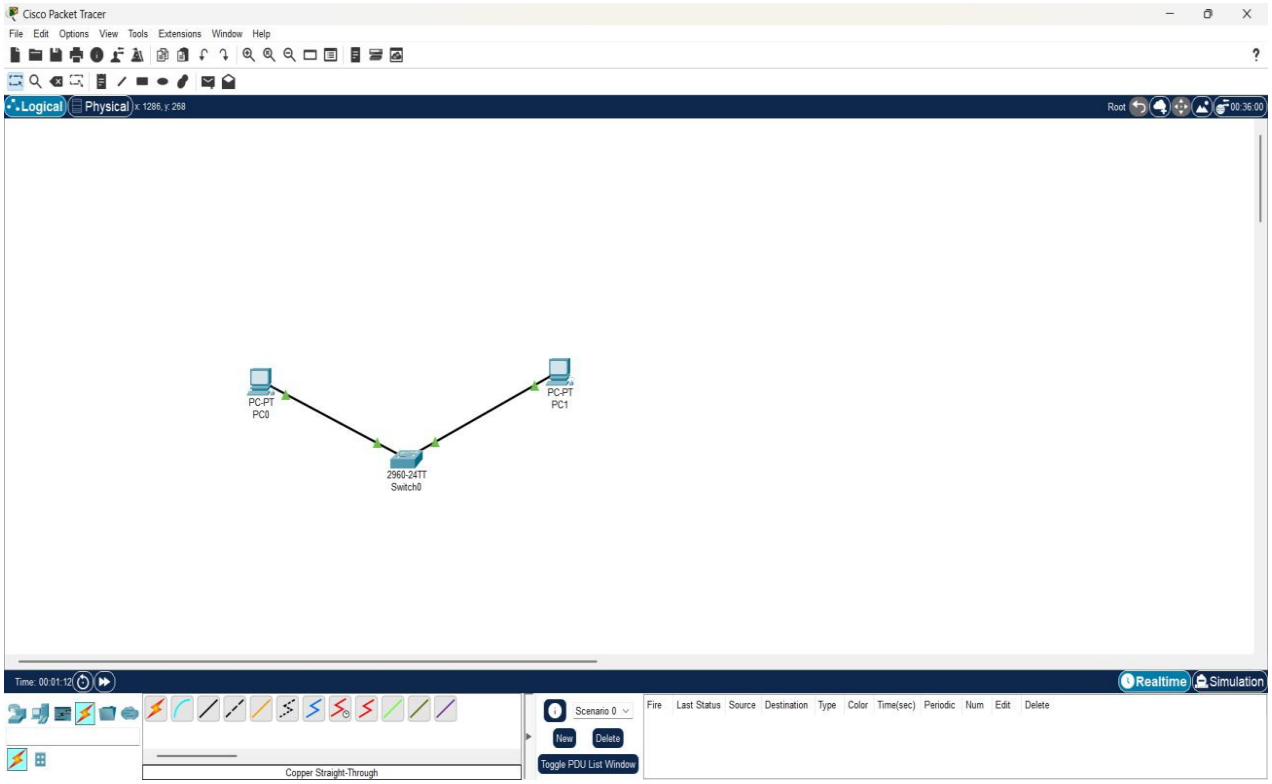
4. Configuration details:

Device Name	Interface Name	IP Address	Subnet mask
PC0	Fa0	172.16.108.25	255.255.0.0
PC1	Fa0	172.16.108.26	255.255.0.0
Switch	Fa0		

5. Commands used in each of the diagram (if any):

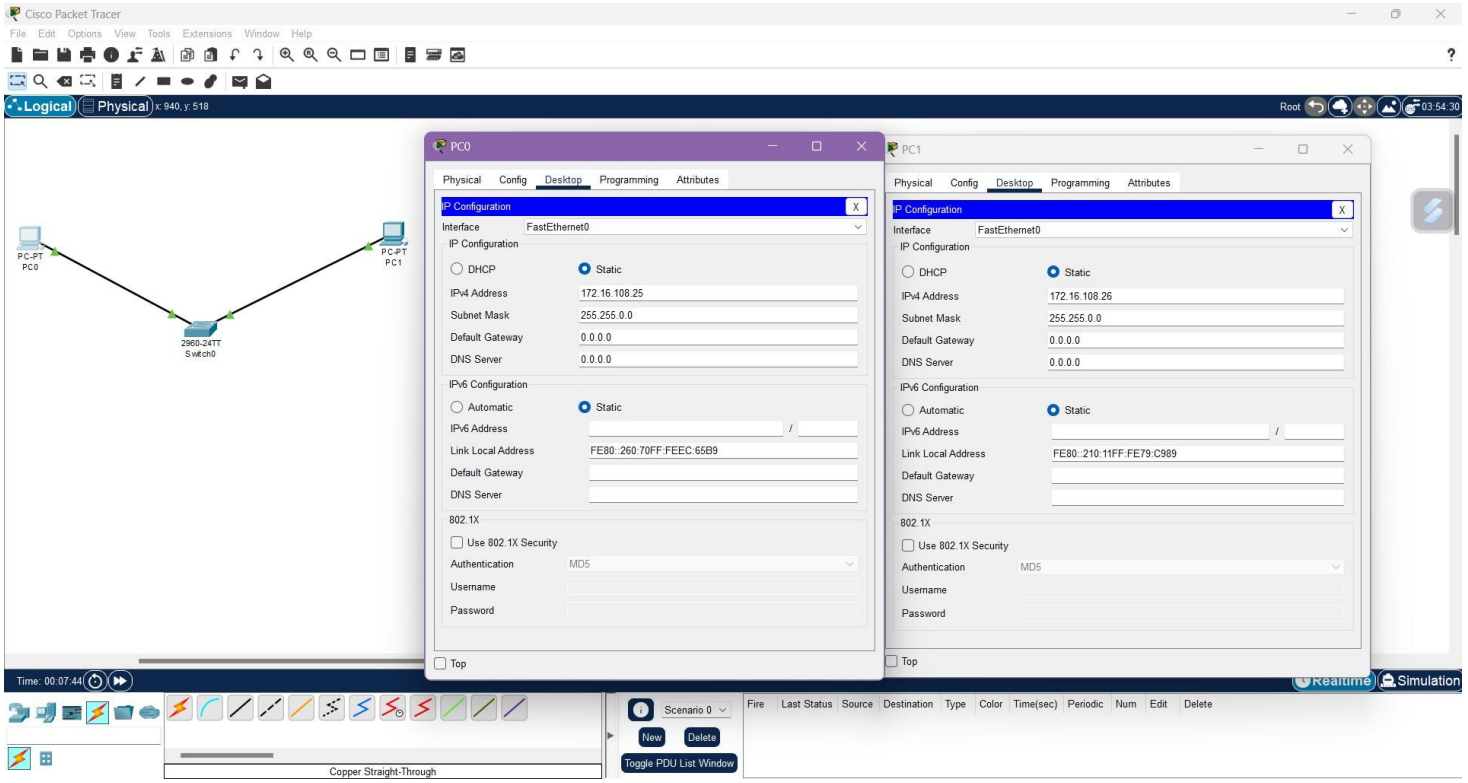
1. Ipconfig
2. Ping

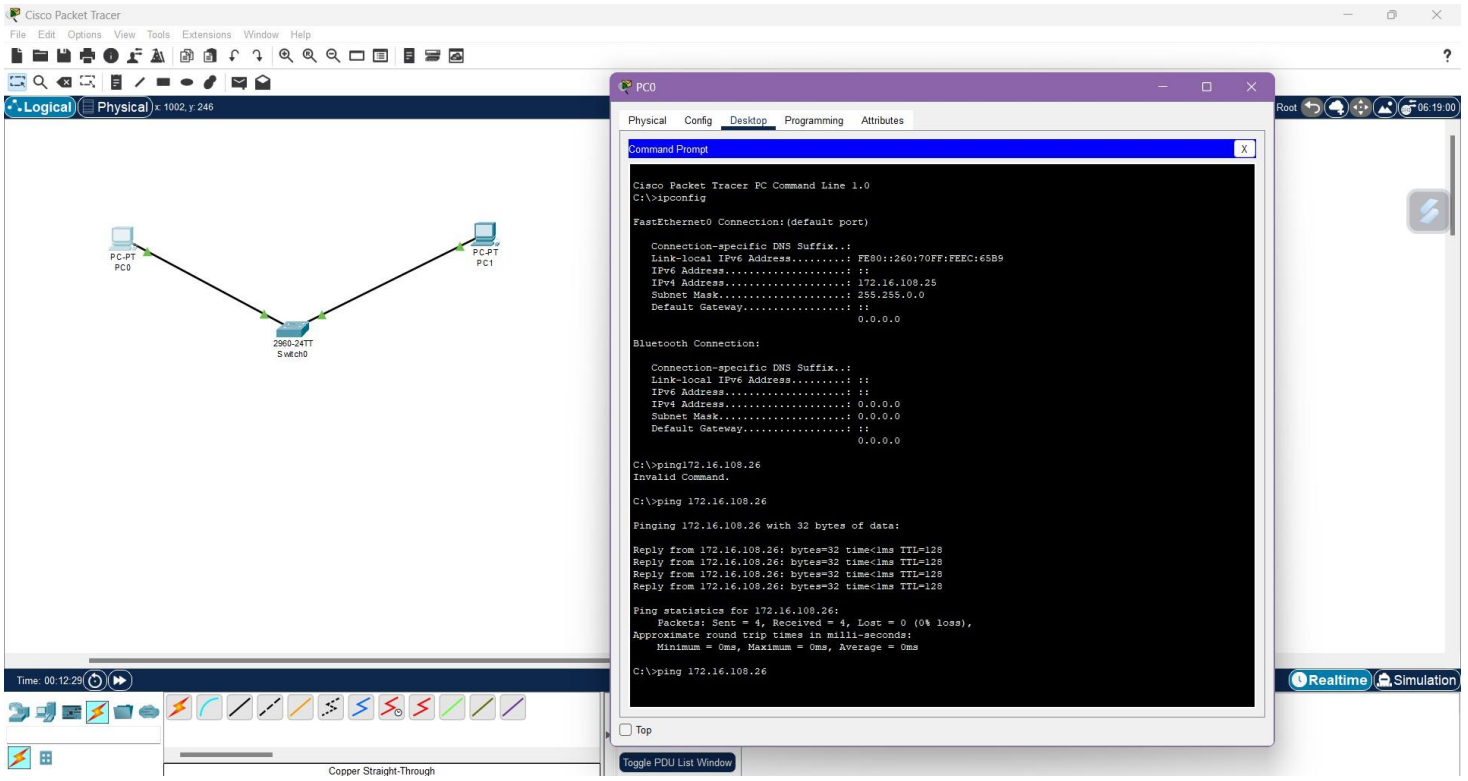
6. Output Diagram (Minimum 3 screenshot):

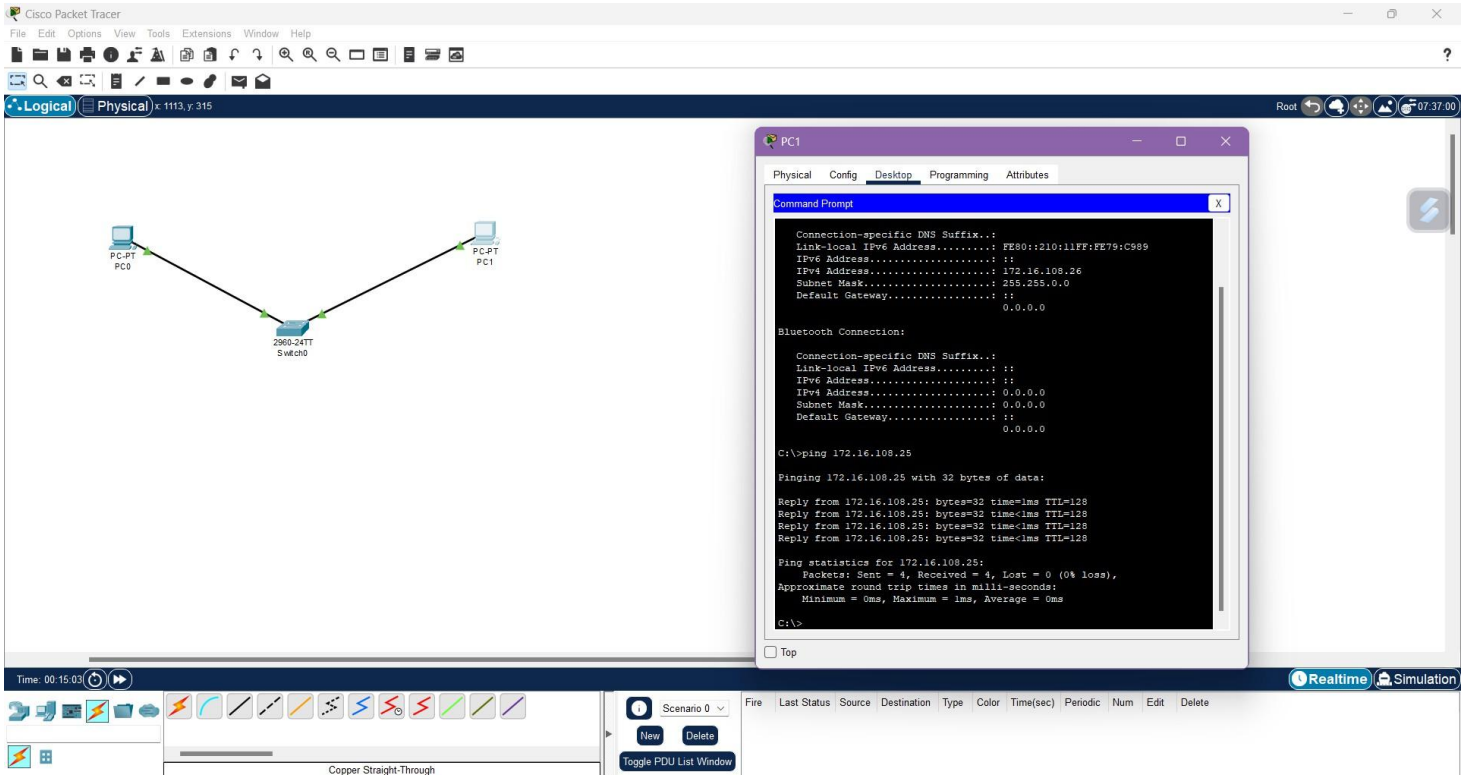


Network Diagram

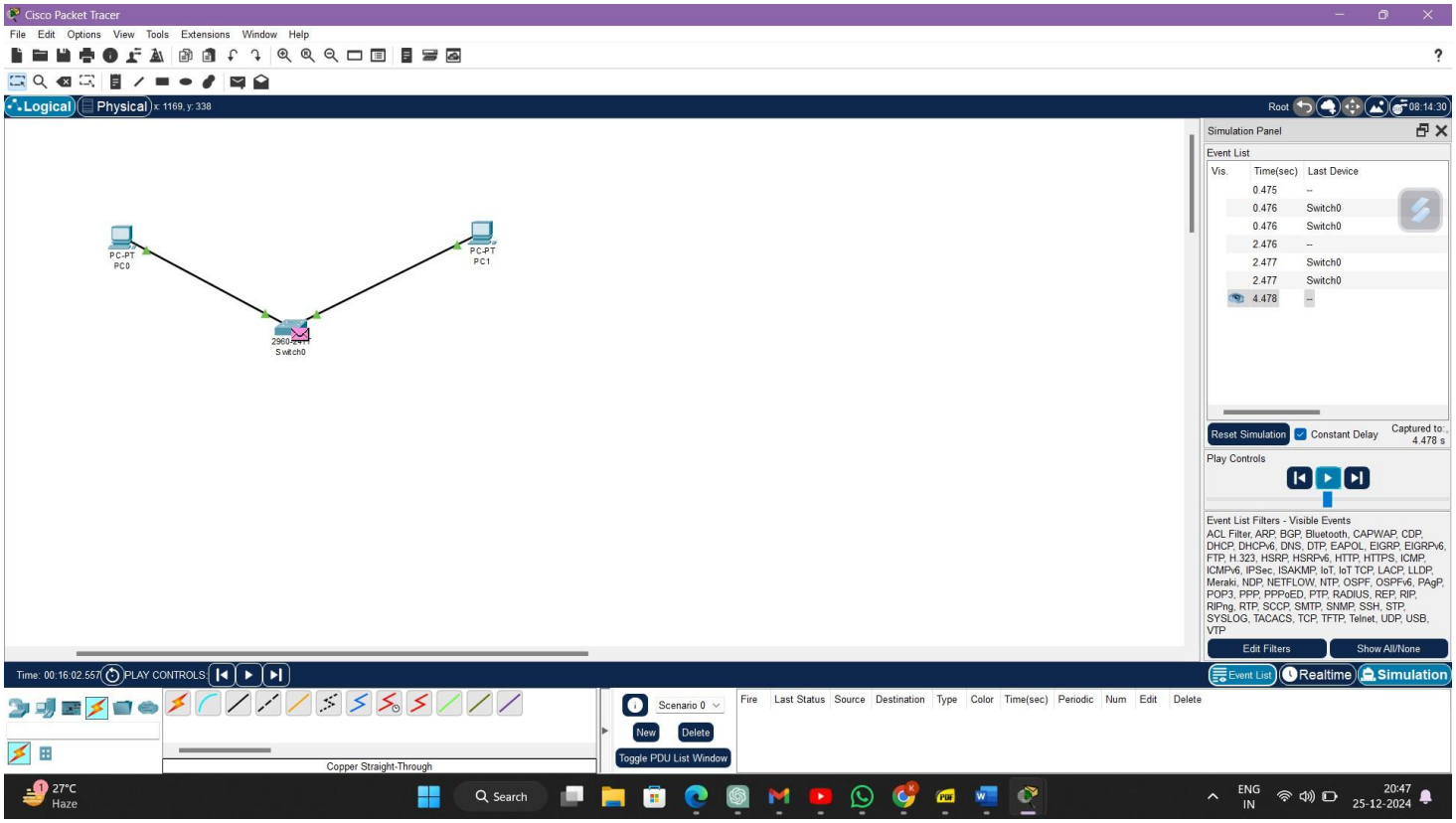
99220040570







Assigning IP Address



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CONCLUSION:

The study concludes that Packet Tracer is a robust and user-friendly tool for network simulation and education. It plays a critical role in preparing individuals for industry certifications and real-world network management challenges. Its capabilities, combined with its accessibility, make it a cornerstone in the toolkit of network engineers and educators.

Rubrics for Experiment Assessment:

Rubrics	Good	Normal	Poor	Marks
Creation of Topology (4)	Created the topology, Identify the proper devices and making the connections **(4)**	Created the topology, Identify the proper devices, making the connections But missing some features **(3)**	Created wrong topology, Failed to Identify the proper devices and making connections **(1)**	
Verify the connectivity (4)	Verified the connectivity in all the levels **(4)**	Verified the connectivity at some levels (only some nodes) **(2)**	Verified the connectivity is not done. **(1)**	
Timely Completion (2)	Completed the lab before the allotted time **(2)**	Completed the lab after the deadline **(1)**	Did not submitted before grading **(0)**	
Total				

Result: Thus the Study of Network Tool - Packet Tracer has been done successfully.