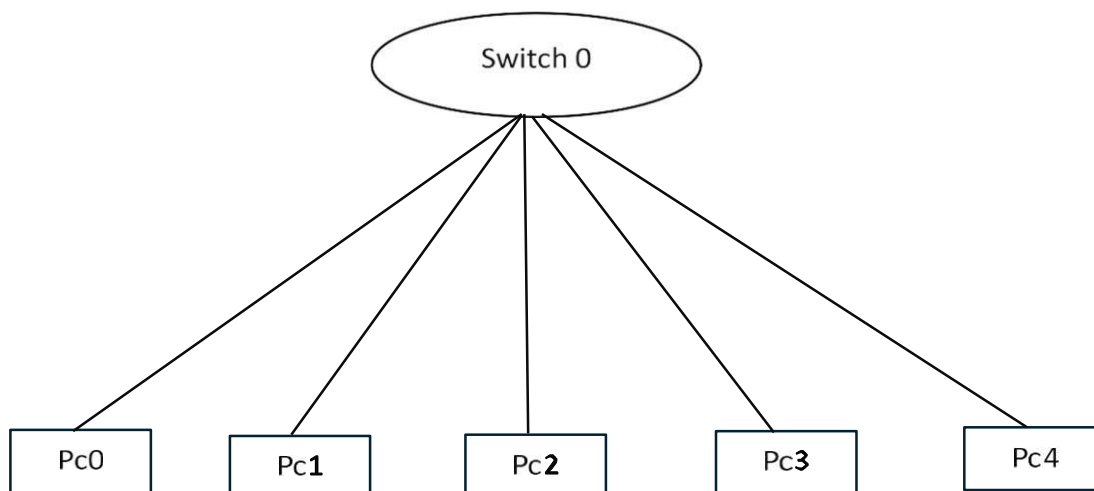


Register No:	99220040772
Name	V Vishwaradhya
Class/Section	9312/S24
Ex.No:	8b
Date of Submission	
Name of the Experiment	Configuration of Address Resolution protocol
Google Drive link of the packet tracer file (give view permission):	https://drive.google.com/drive/folders/1pFeggJ4wfuHYC-bx_c41D-l7_D4wqTZJ?usp=sharing

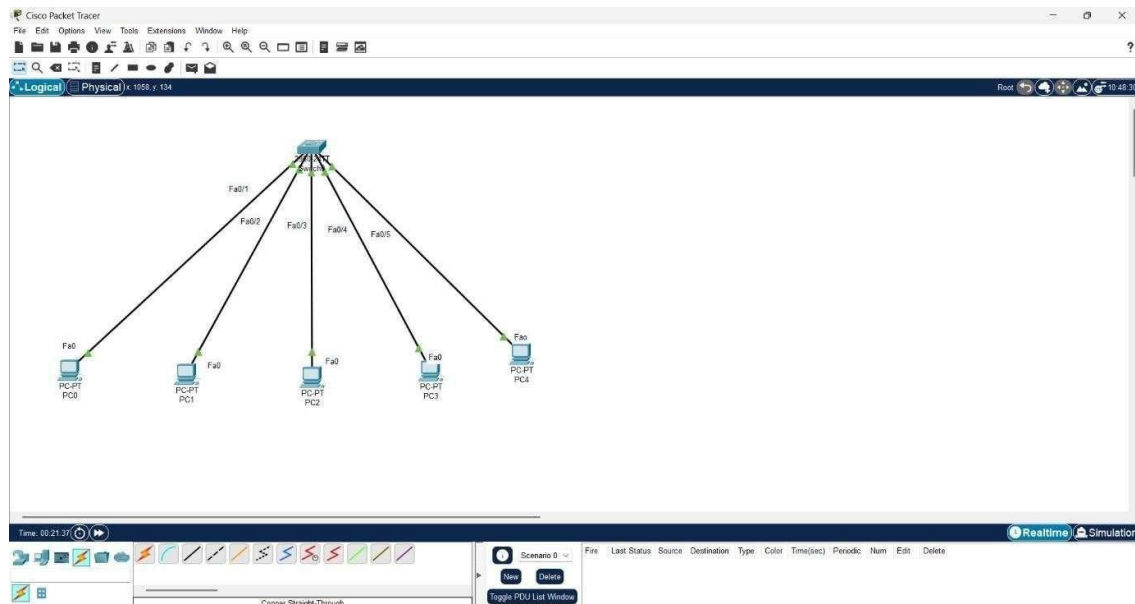
1. Device Requirements:

1. Switch 0
2. PC0
3. PC1
4. PC2
5. PC3
6. Pc4
7. 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	Fa0/1	192.168.10.1	255.255.255.0
PC1	Fa0/2	192.168.10.2	255.255.255.0
PC2	Fa0/3	192.168.10.3	255.255.255.0
PC3	Fa0/4	192.168.10.4	255.255.255.0
Pc4	Fa0/5	192.168.10.4	255.255.255.0
Switch 0	Fa0/1		

5. Describe step by step configuration steps properly (you may copy the commands used in the configuration tab and paste it.) Switch 0:

Switch>en

Switch#show mac-address-table

Mac Address Table

Vlan	Mac Address	Type	Ports
------	-------------	------	-------

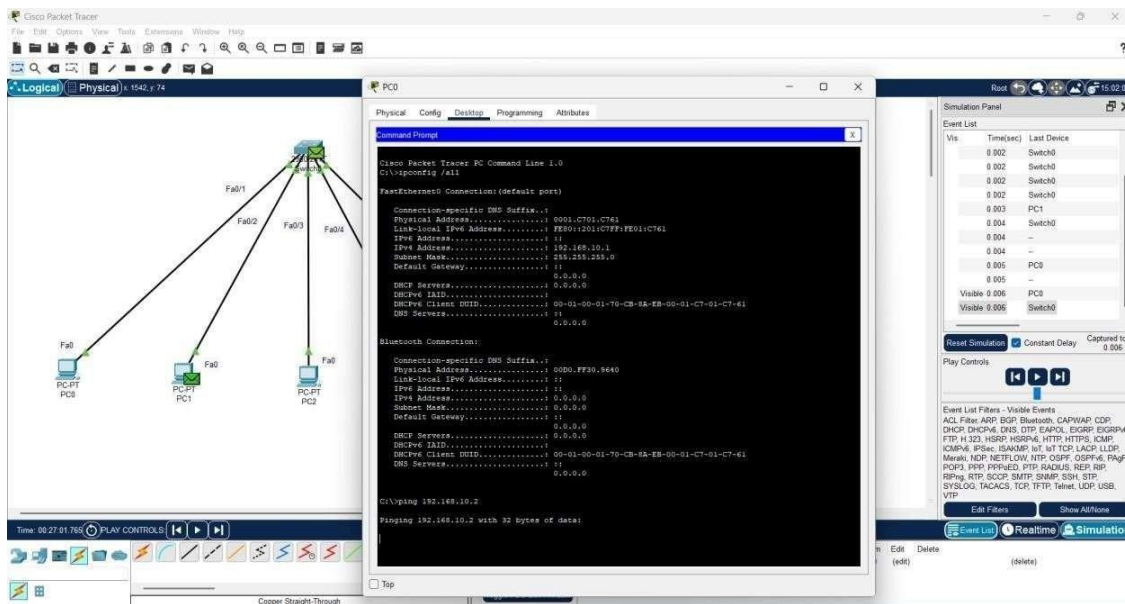
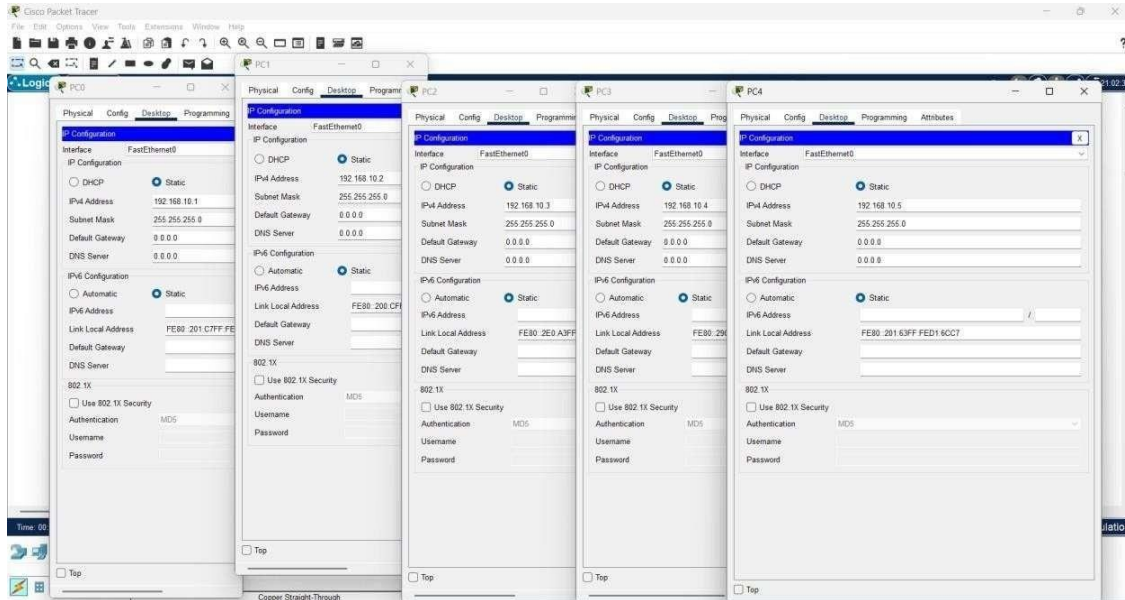
1	0000.0c37.0a29	DYNAMIC	Fa0/2
1	0001.63d1.6cc7	DYNAMIC	Fa0/5
1	0001.c701.c761	DYNAMIC	Fa0/1
1	0090.21b7.19ca	DYNAMIC	Fa0/4
1	00e0.a3e8.0a59	DYNAMIC	Fa0/3

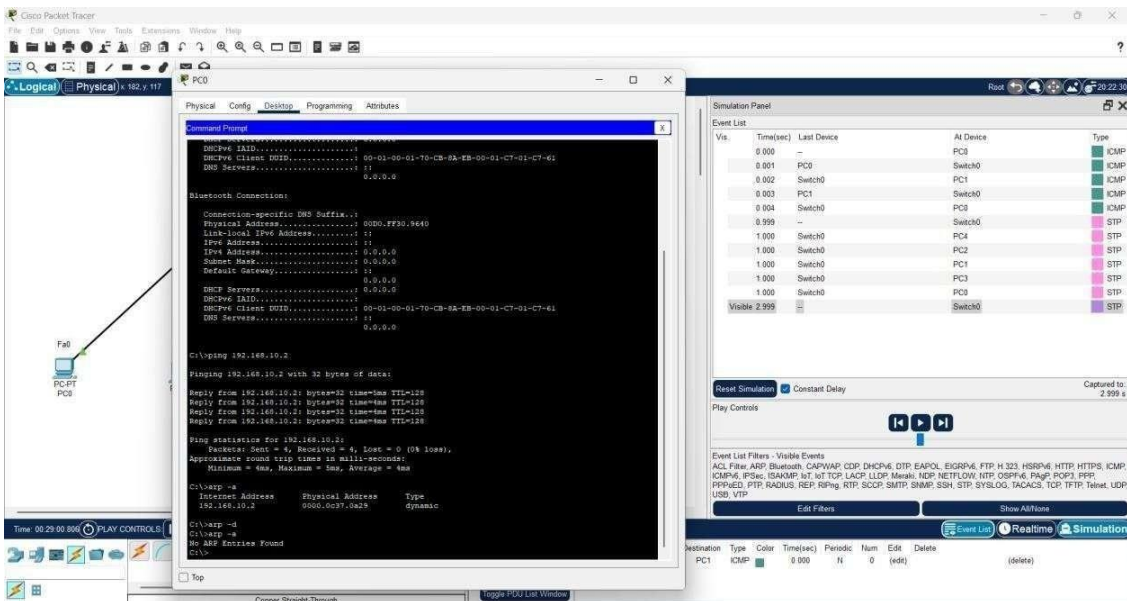
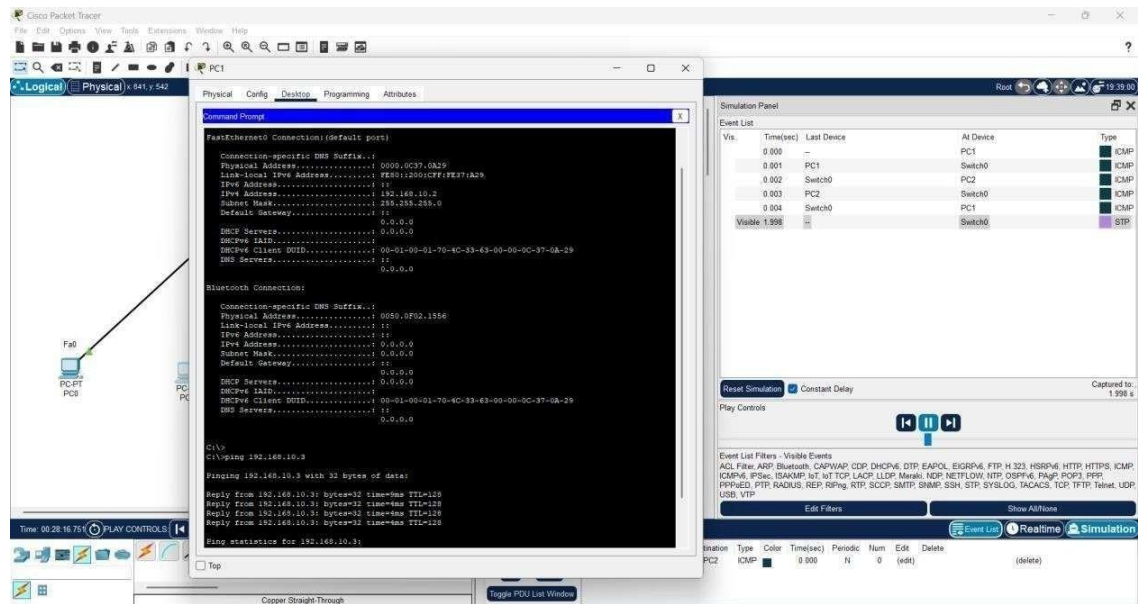
Switch#show mac-address-table

Mac Address Table

Vlan	Mac Address	Type	Ports			
1	0000.0c37.0a29	DYNAMIC	Fa0/2 1	0001.63d1.6cc7	DYNAMIC	Fa0/5
1	0001.c701.c761	DYNAMIC	Fa0/1			
1	0090.21b7.19ca	DYNAMIC	Fa0/4			

6. Output Diagram (Minimum 3 screenshot):





CONCLUSION (provide conclusion about this experiment):

Configuring the Address Resolution Protocol (ARP) is crucial for efficient network communication by mapping IP addresses to MAC addresses. This ensures seamless packet delivery within a local network. Proper ARP configuration enhances network performance, reduces latency, and prevents connectivity issues.

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 Design a Configuration of Address Resolution Protocol has been done successfully