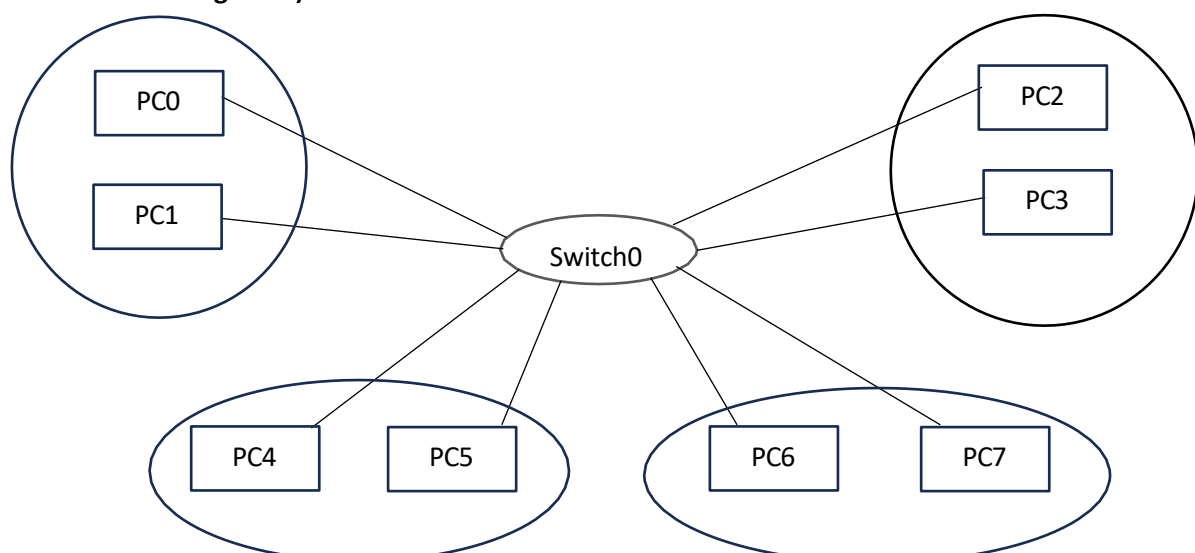


Register No:	99220040530
Name	G.Madhu
Class/Section	8601 A/S06
Ex. No:	4
Name of the Experiment	Configuration of Intra VLAN network(Using One Switch)
Google Drive link of the packet tracer file (give view permission):	https://drive.google.com/drive/u/3/folders/1924NZonTm8iFw1eQH0IFjT1eZEKSlb

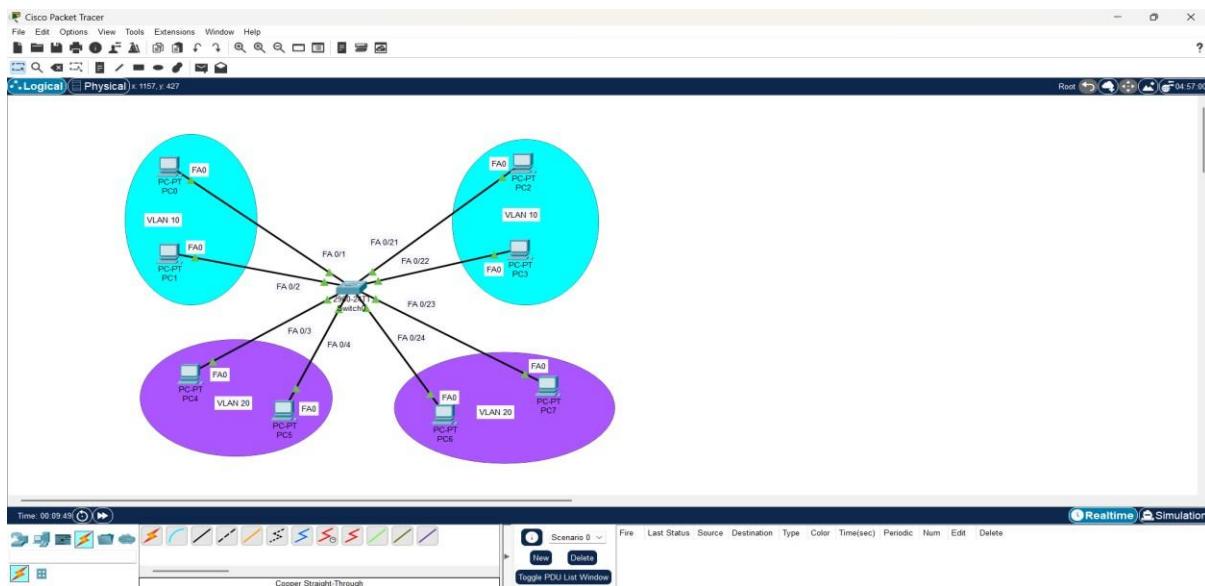
1. Device Requirements:

1. Switch
2. PC0
3. PC1
4. PC2
5. PC3
6. PC4
7. PC5
8. PC6
9. PC7
10. Wire

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	100.123.222.1	255.0.0.0
PC1	Fa0/2	100.123.222.2	255.0.0.0
PC2	Fa0/21	100.123.111.1	255.0.0.0
PC3	Fa0/22	100.123.111.2	255.0.0.0
PC4	Fa0/3	100.123.222.3	255.0.0.0
PC5	Fa0/4	100.123.222.4	255.0.0.0
PC6	Fa0/23	100.123.111.3	255.0.0.0
PC7	Fa0/24	100.123.111.4	255.0.0.0
Switch0	Fa0/3		

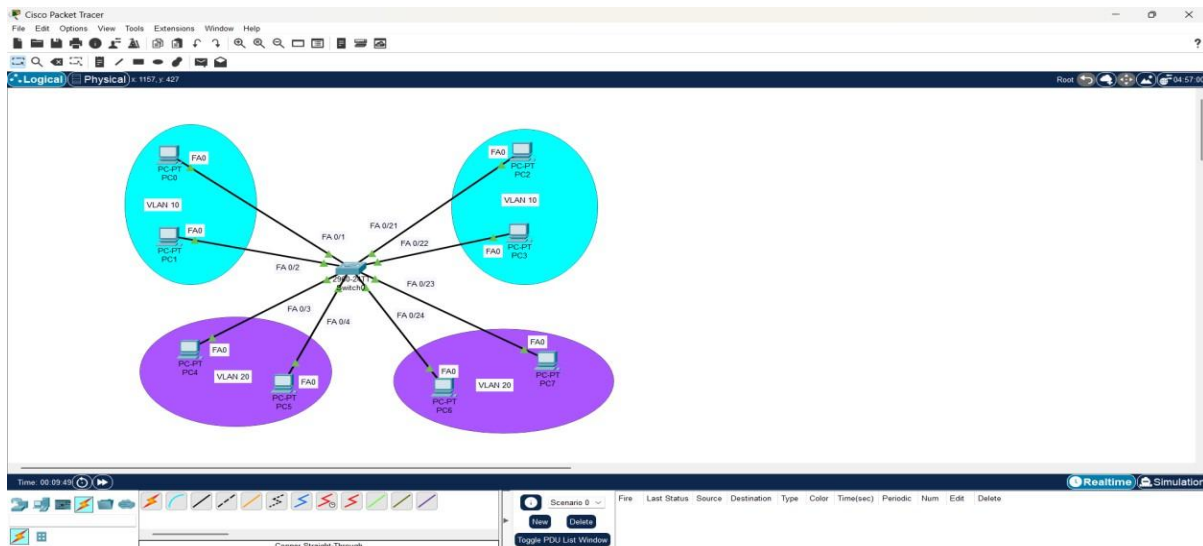
5. Describe step by step configuration steps properly (you may copy the commands used in the configuration tab and paste it.)

1. Create VLANs
2. Configure interfaces
3. Configure trunking
4. Ping

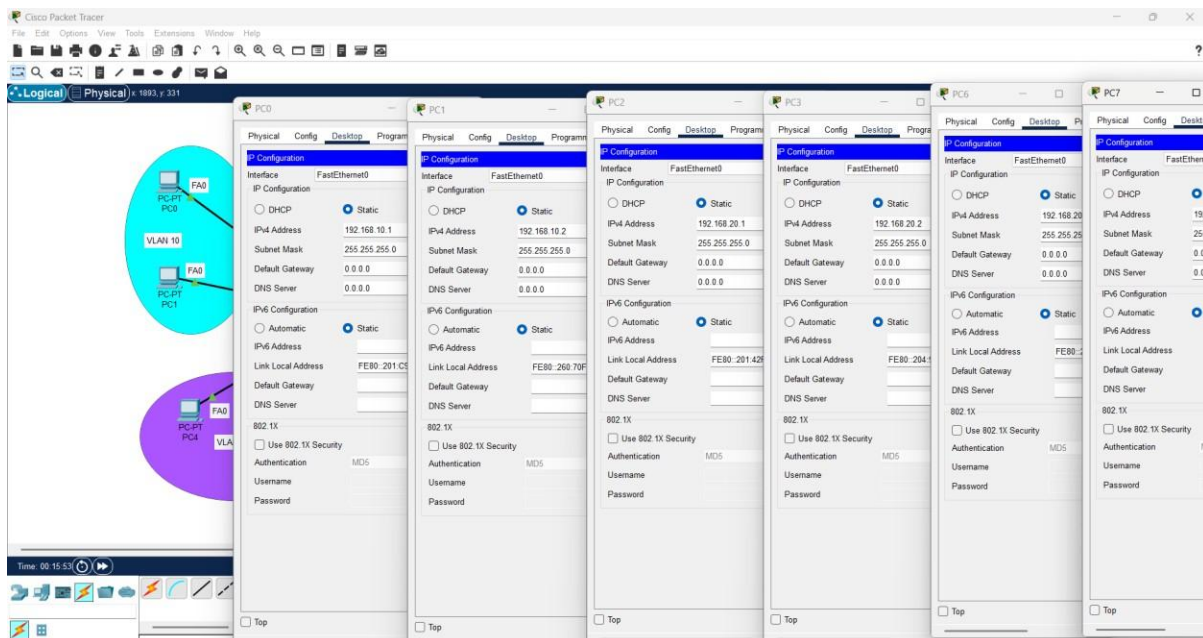
5. Configure Terminal

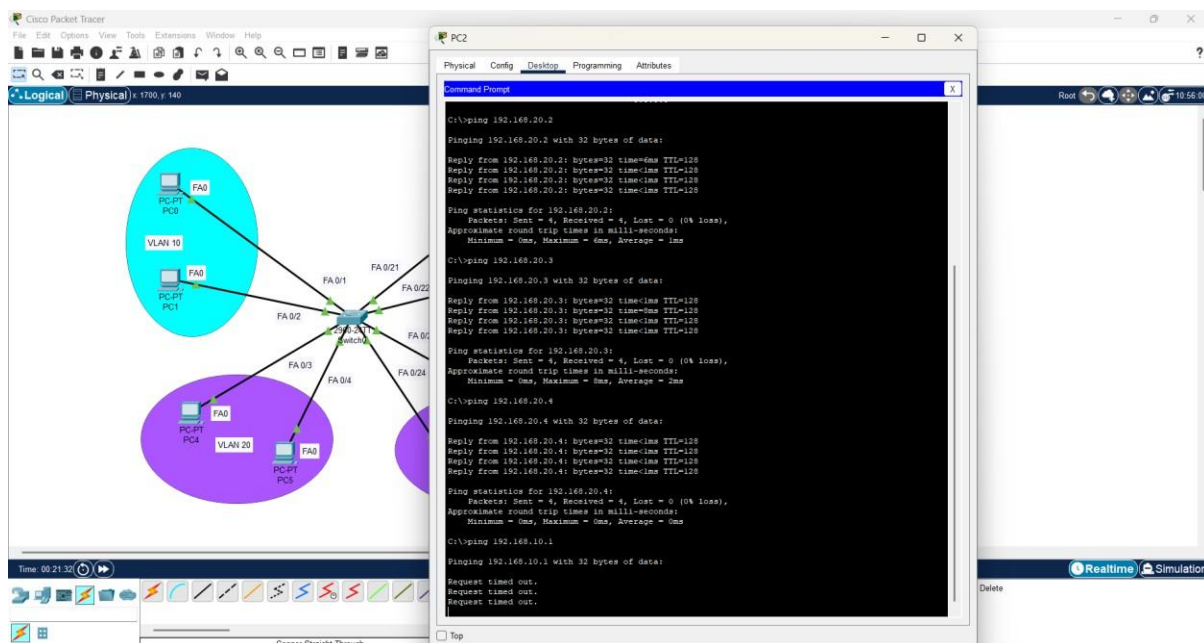
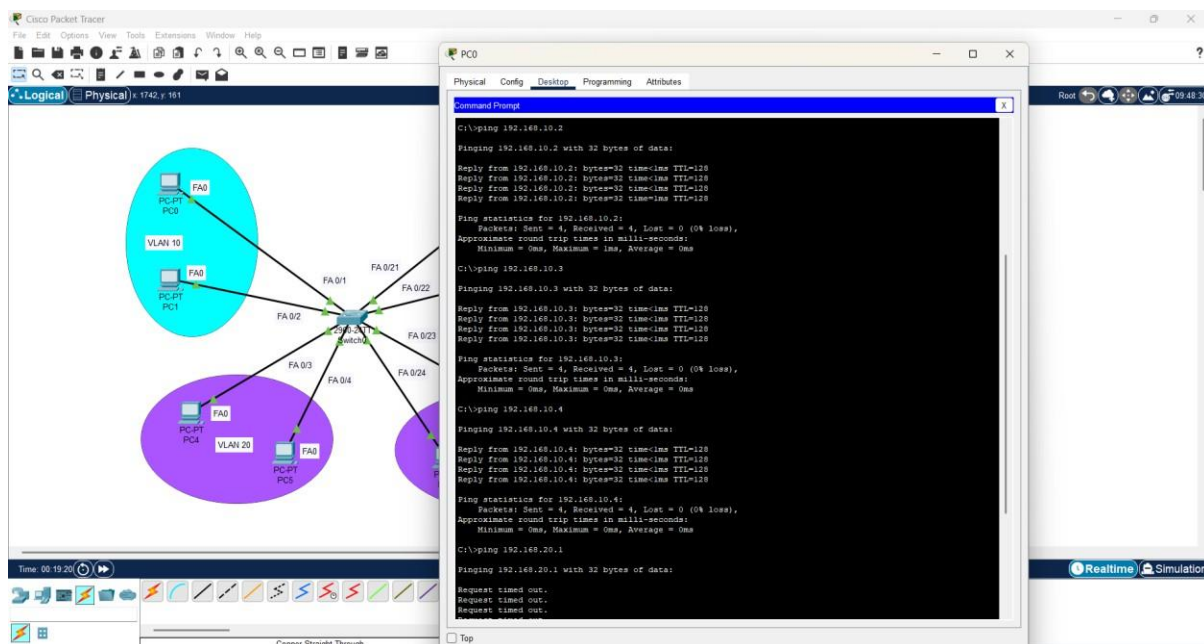
6. Do show vlan

6. Output Diagram (Minimum 3 screenshot):

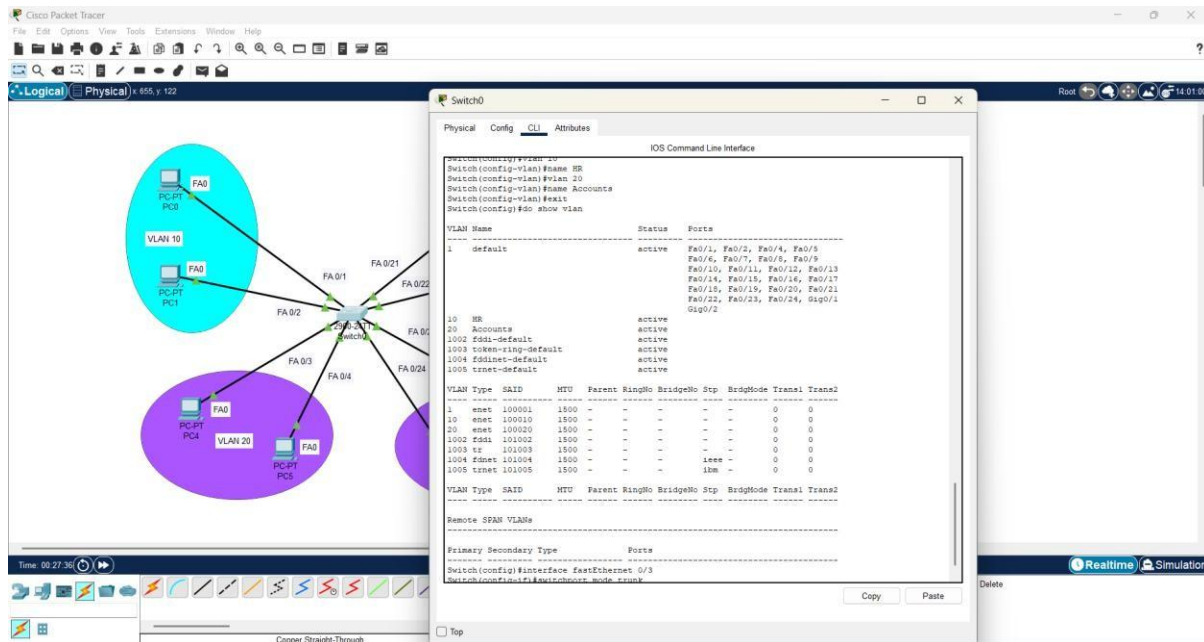


Network Diagram





Assigning IP Address



Google Drive link of the packet tracer file (give view permission):

Link: <https://drive.google.com/drive/u/3/folders/1924NZonTm8iFw1eQH0IFjT1eZEKsLb>

CONCLUSION:

Configuring an intra-VLAN network is a foundational practice in modern network design, providing security, efficiency, and manageability. It empowers organizations to create logical, scalable, and secure networks tailored to specific operational requirements.

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 Intra VLAN network has been done successfully.