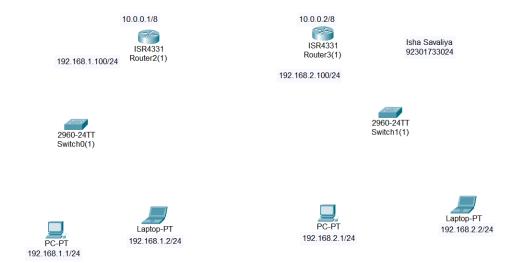
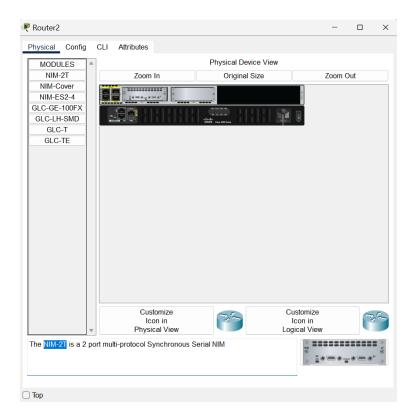
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
Subject: Computer Networks (01CT0503)	Aim: Perform static routing protocol and analyze the results.	
Experiment No: 05	Date: 24-08-2025	Enrolment No: 92301733024

Step-1: Open Cisco Packet Tracer and take two routers, two switches, and four PCs.



Step-2: For the serial port, turn off the router, drag and drop the NIM-2T module, and then turn the router back on.

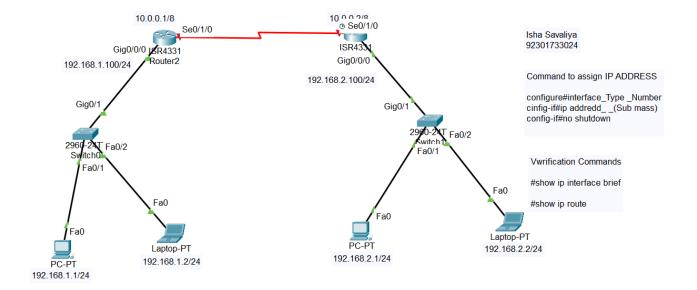


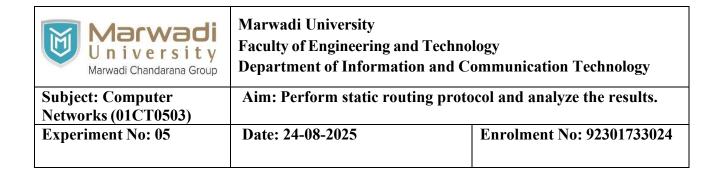
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Step-3: Connect the two routers using a Serial DTE cable.

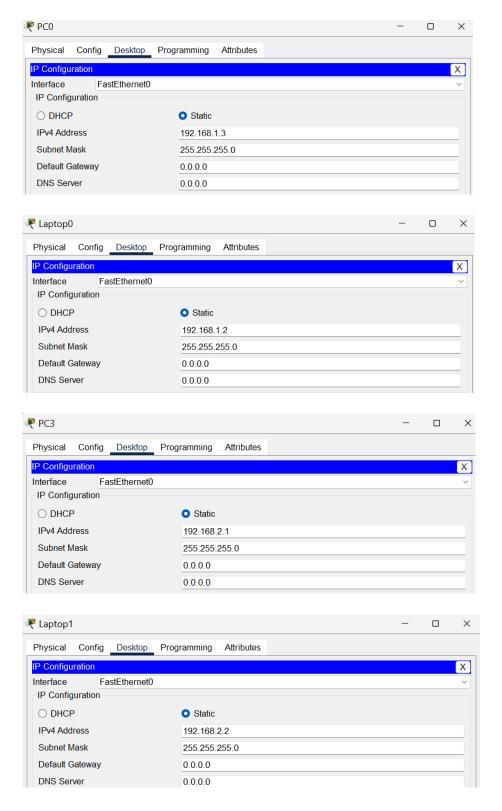


<u>Step-4:</u> Connect the switches with the routers using Copper Straight-Through cables in the GigabitEthernet ports. Also, connect the PCs with the switches using Copper Straight-Through cables.



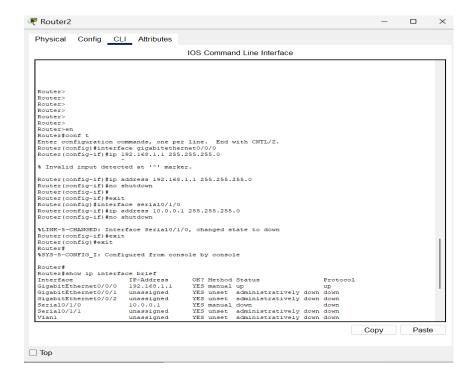


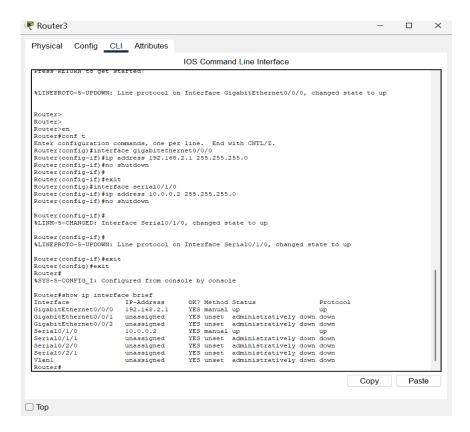
Step-5:- Assign IP addresses and subnet masks to all PCs.



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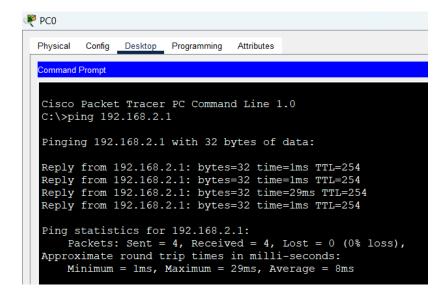
Step-6: Go to the Router CLI and assign IP addresses to the router interfaces.





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Step -7:- Check the network connectivity.



Conclusion:

By performing this experiment, we learned how to connect routers, switches, and PCs, assign IP addresses, and verify connectivity using static routing.