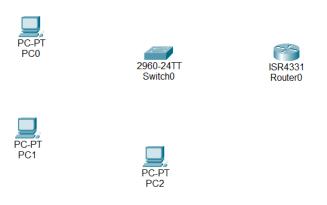
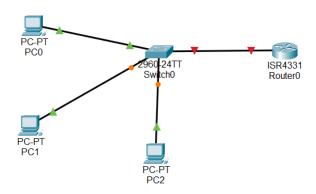
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technol Department of Information and C	
Subject: Computer Networks (01CT0503) Experiment No: 04	Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail. Date: 14-08-2023 Enrolment No: 92200133029	

Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail.

Step – 1: Open Cisco packet tracer and take PC, Switch and Router



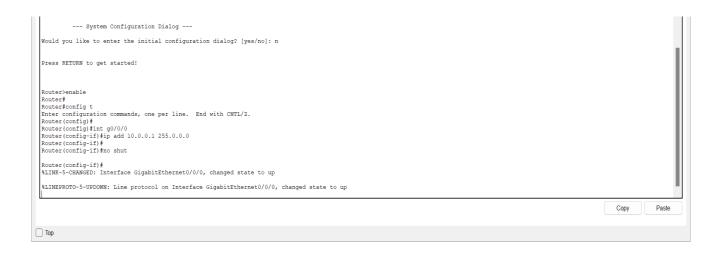
Step-2: Connect all the PCs to the switch and switch to the router via cable



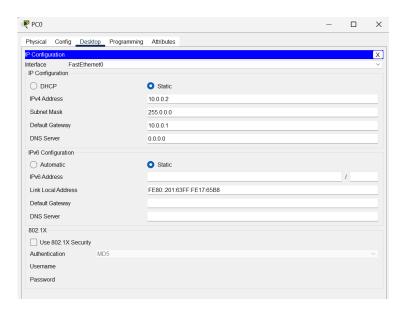
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Techno Department of Information and C	
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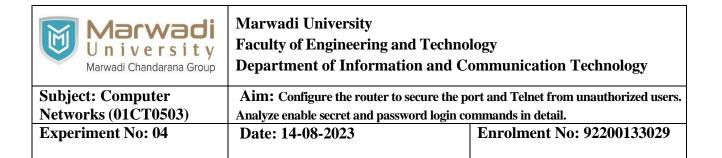
Step -3: Give the IP add to the router.

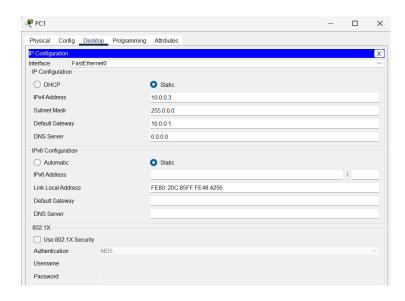
Use the command ip add <ip add> <subnet mask> to assign an IP address to a router's network interface.

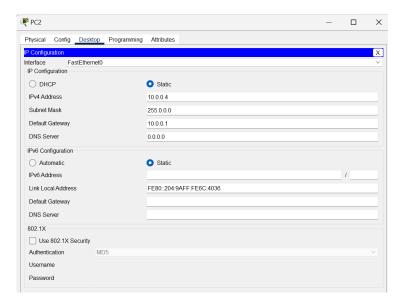


Step – 4: Give the IP address to all the PCs.



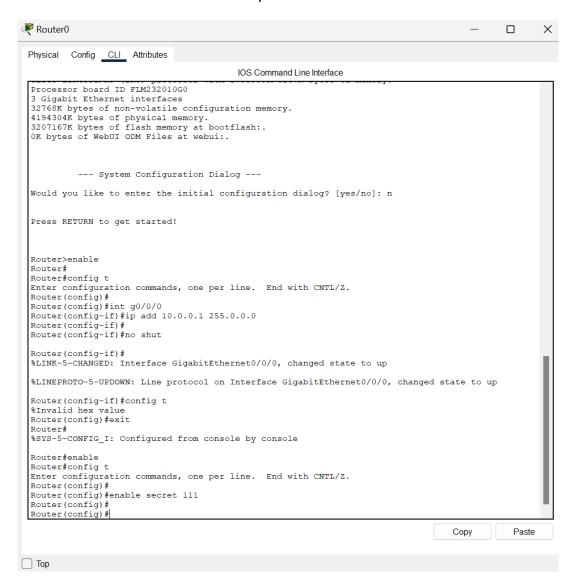






tment of Information and C	ommunication Technology
Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail. Date: 14-08-2023 Enrolment No: 92200133029	
•	Configure the router to secure the p

Step – 5 : Set the permissions or visibility of the command to restrict access for this use enable secret command



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•	Configure the router to secure the p

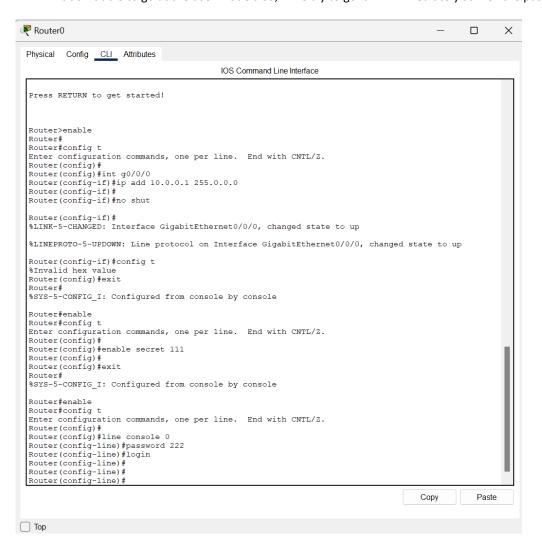
Step-6: Now we give the another command to set the password

line console 0

Password < password >

login

It don't able to go at the user mode also, if we try to go it will immediately ask for the password



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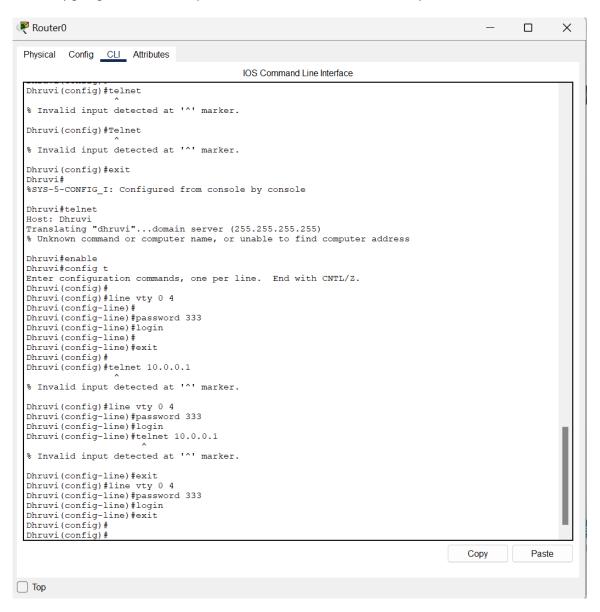
Step-7: To make virtual line control give following command

line vty 04

Password < password >

Login

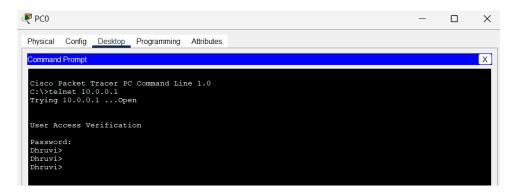
By giving this command, up to 5 user can control the device virtually



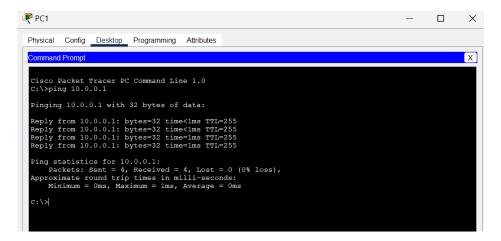
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technol Department of Information and C	
Subject: Computer Networks (01CT0503)	Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail.	
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Step-8: For checking the telnet protocol use following command telnet <destination Ip add>

Telnet is a protocol that enables remote access to network devices and servers via a command-line interface over a TCP/IP network.



Step-9: Now after this we check for the connectivity between divices For this we use following command ping <destination Ip add>



Conclusion: it's important to secure the router's ports and Telnet access to prevent unauthorized users from gaining control. The enable secret command sets a strong password that is encrypted for accessing the features. Meanwhile, the password and login commands ensure that anyone trying to use the console or Telnet must enter a password first. These steps help protect the router and ensure that only the right people can manage it. Ping command is use for check whether the device is connect with other device or not.

Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technol Department of Information and C	6
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