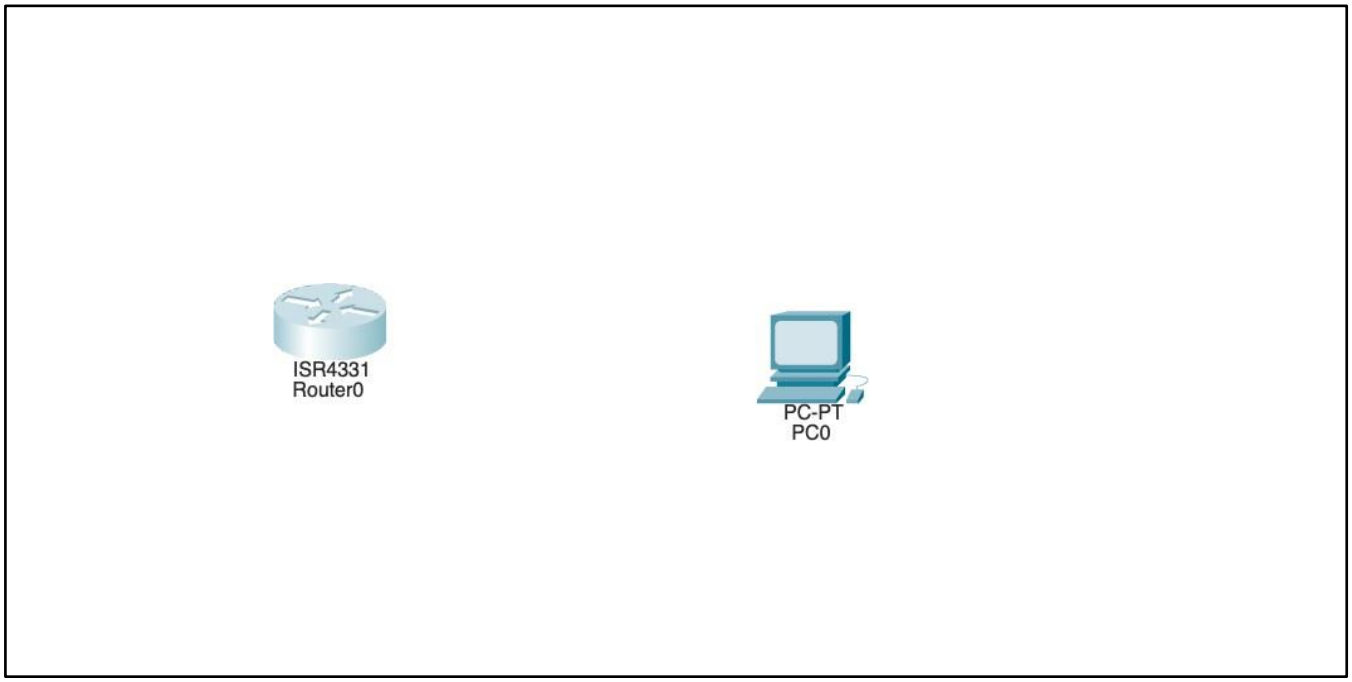
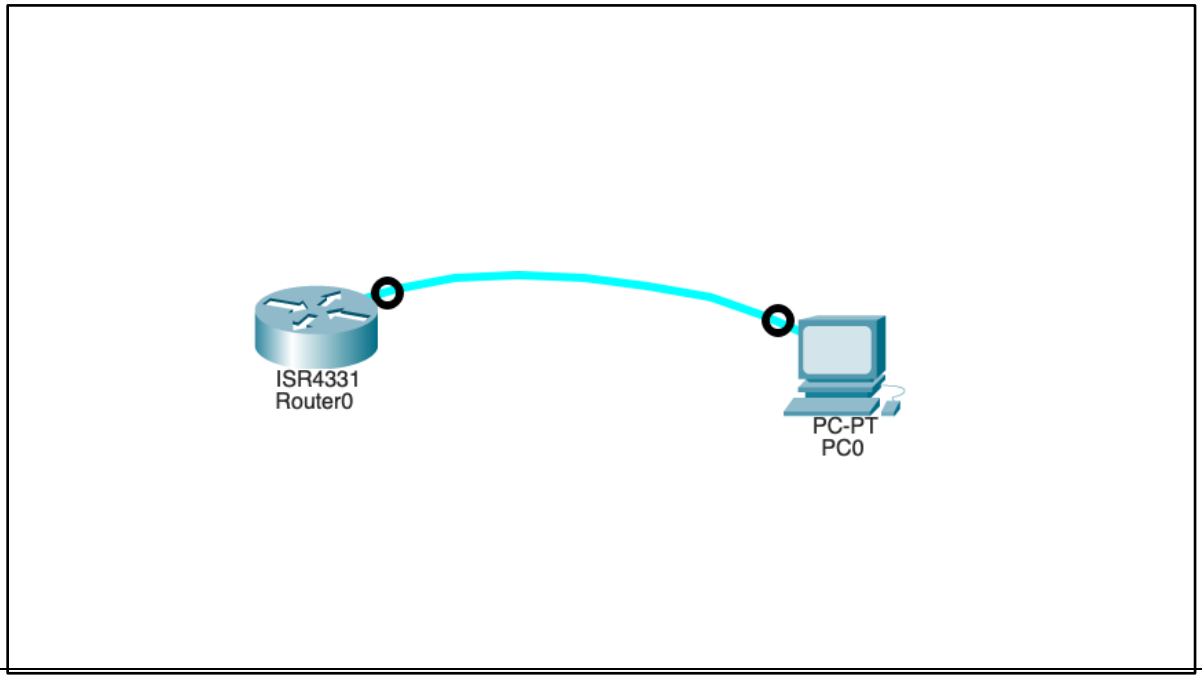
Marwadi University Marwadi Chandarana Group	**Marwadi University** **Faculty of Engineering and Technology** **Department of Information and Communication Technology**	
Subject: Computer Networks (01CT0503)	**Aim: Configure the router to secure the port and Telnet from unauthorized users. Analyze enable secret and password login commands in detail.**	
Experiment No: 04	**Date: 30-07-2025**	**Enrolment No: 92301733054**

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 one PC and Router.

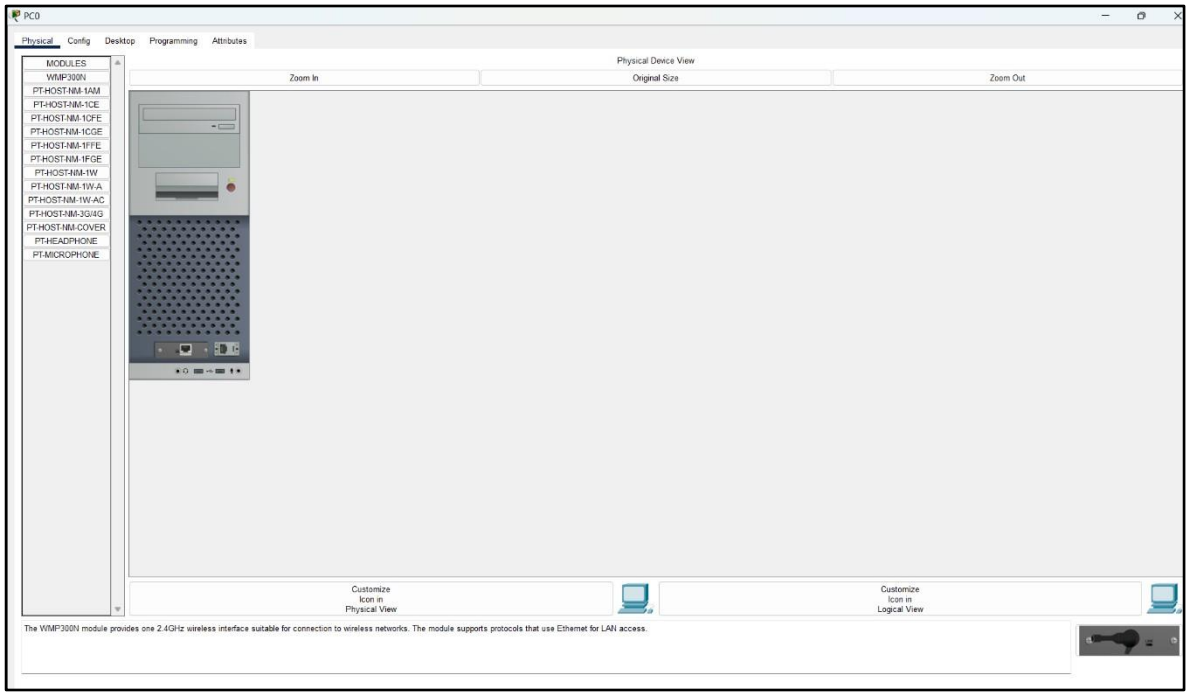


Step – 2 :- Connect a Console Cable between the console port of router and the RS232 port.

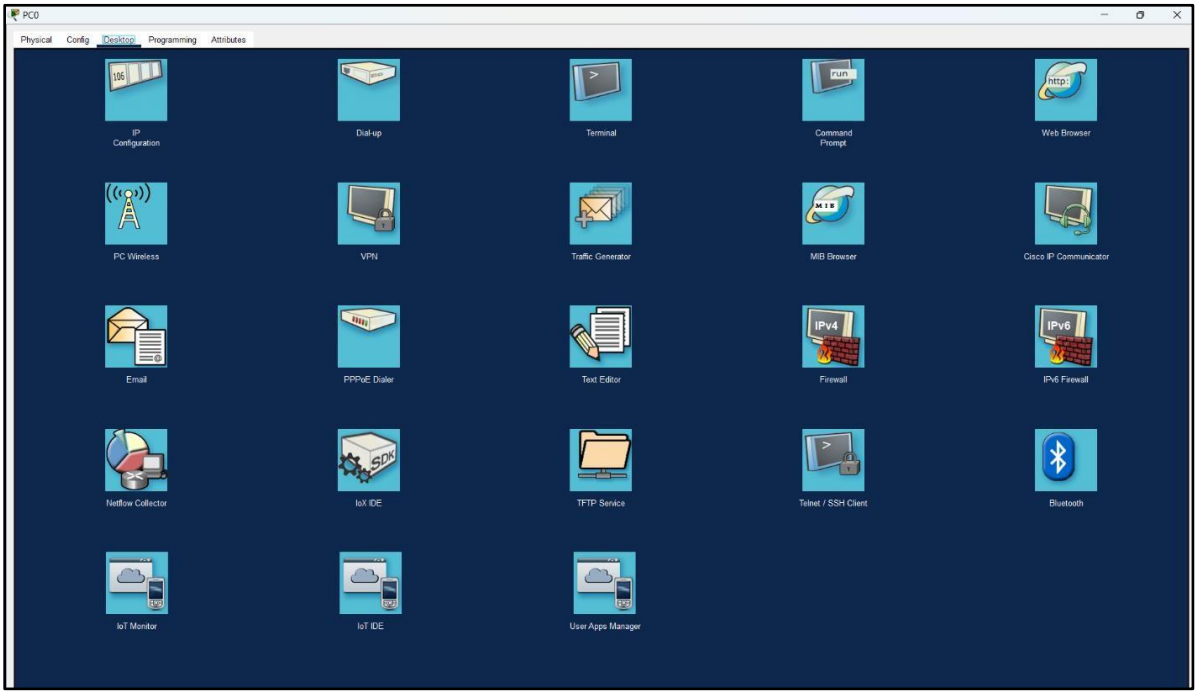


Marwadi University Marwadi Chandarana Group	**Marwadi University** **Faculty of Engineering and Technology** **Department of Information and Communication Technology**	
Subject: Computer Networks (01CT0503)	**Aim: Perform basic CLI commands to configure switch and router.**	
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 3 :- Now Click on the PC and you will get all the information about PC.

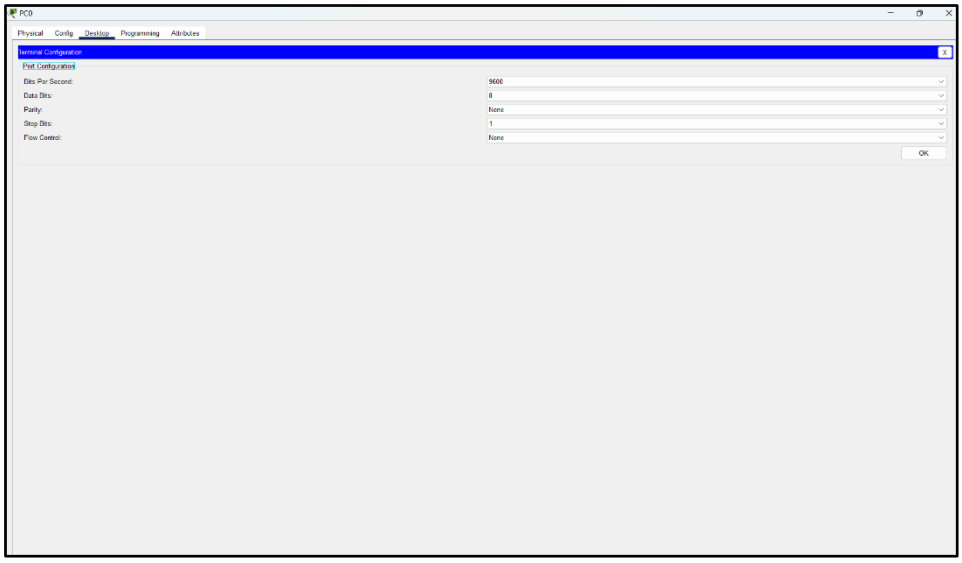


Step – 4 :- Now Click on the Desktop and you will get this kind of interface.

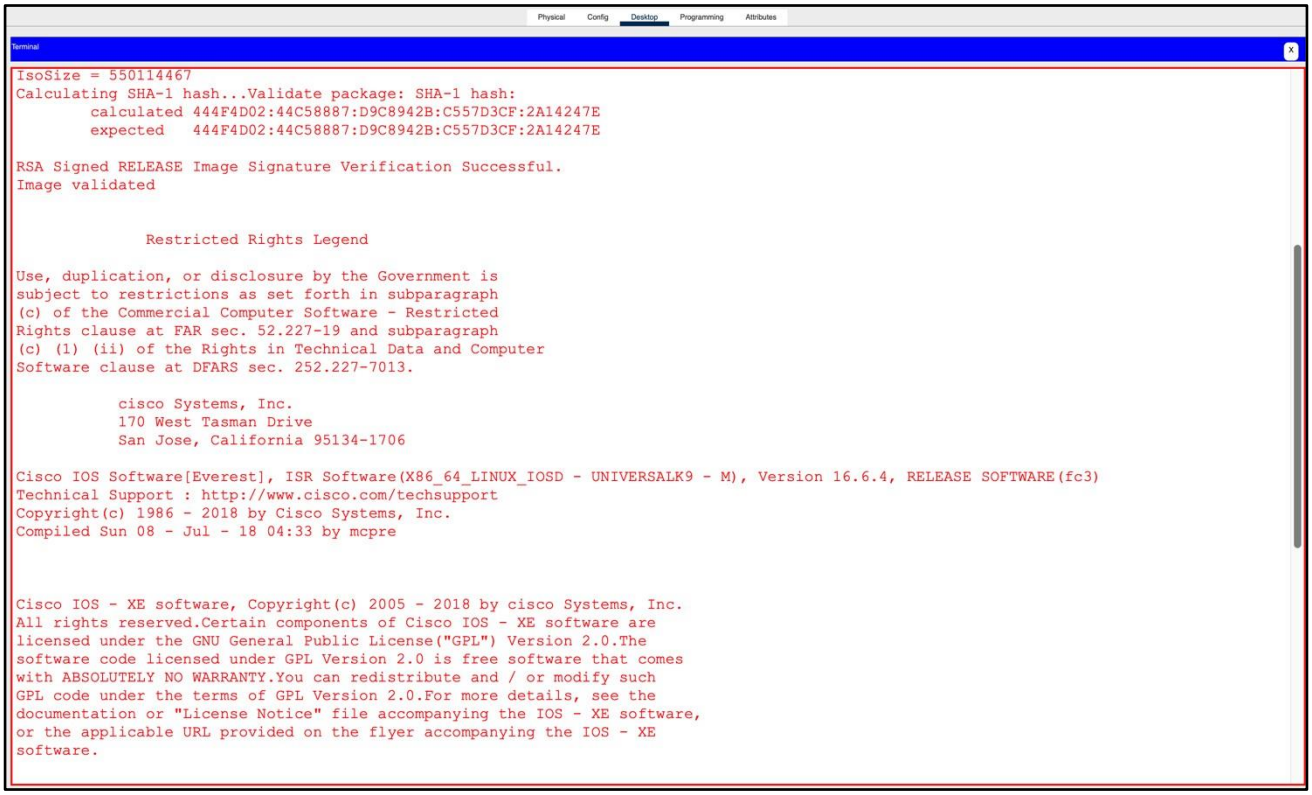


Marwadi University Marwadi Chandarana Group	**Marwadi University** **Faculty of Engineering and Technology** **Department of Information and Communication Technology**	
Subject: Computer Networks (01CT0503)	**Aim: Perform basic CLI commands to configure switch and router.**	
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 5 :- Now Click on the terminal and you will get this kind of interface.



Step – 6 :- Now Hit OK and you will get this kind of interface.



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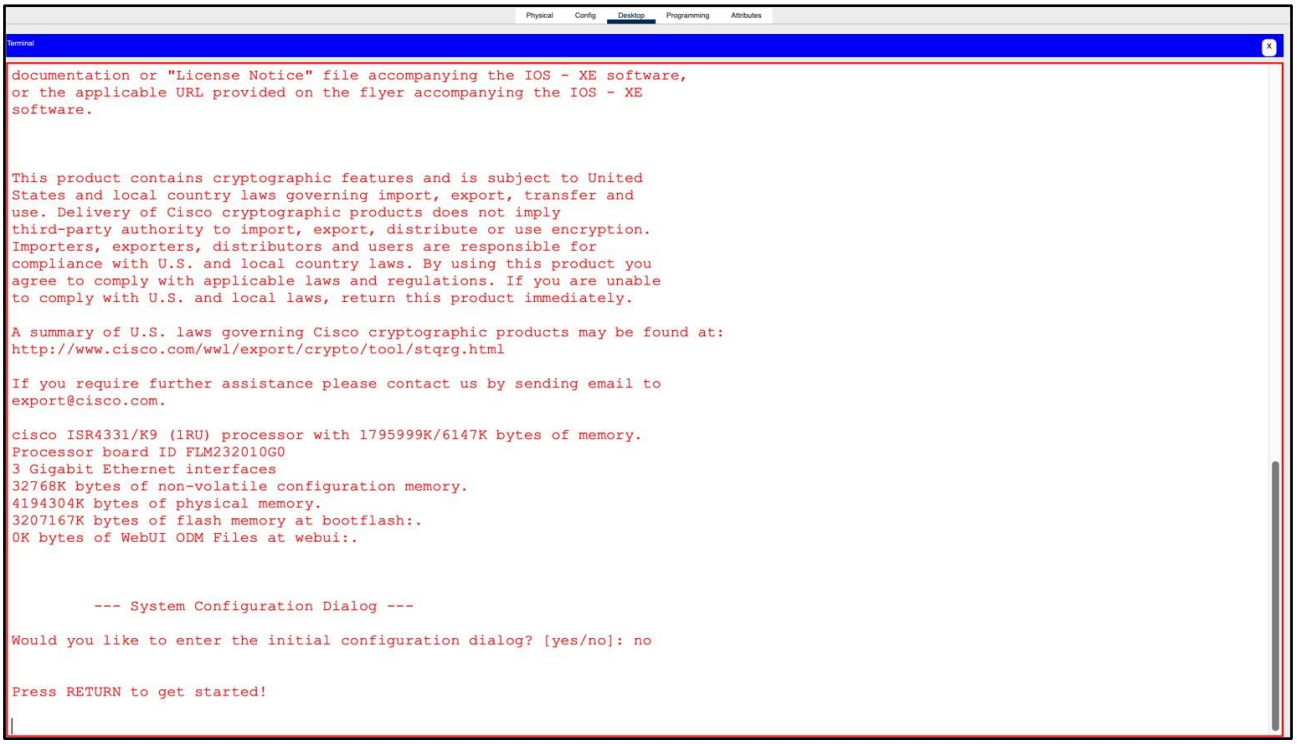
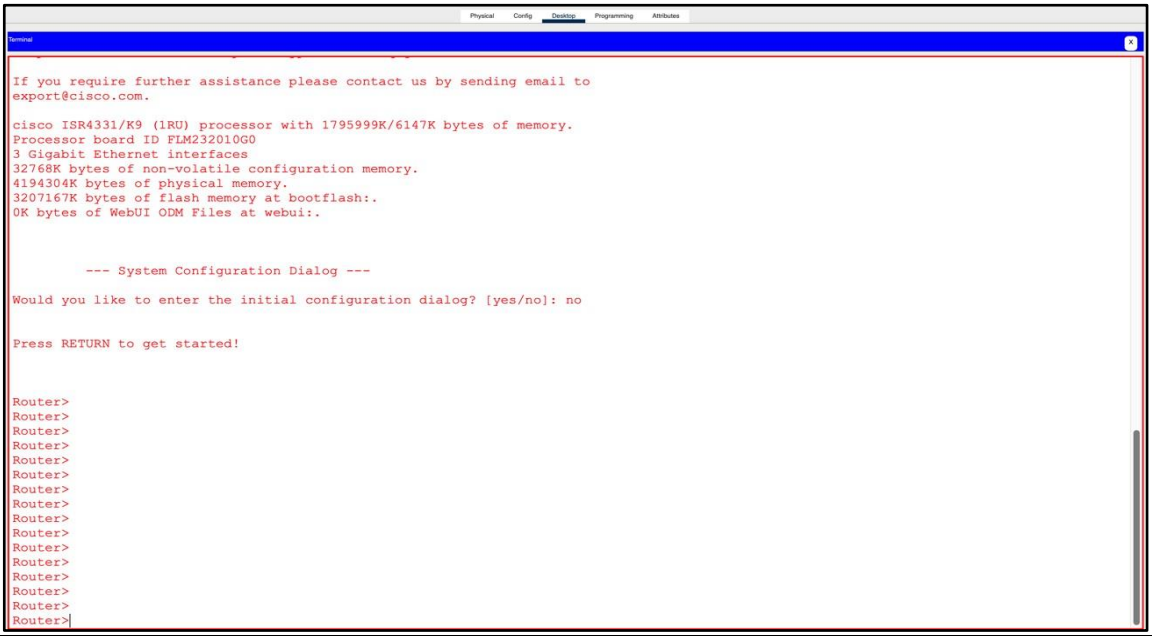
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 7 :- Now Hit OK and you will get this kind of interface.



Step – 8 :- Here we are getting CLI for configuring the router. Routers have 3 modes of userMode

- By default router is in the user mode.



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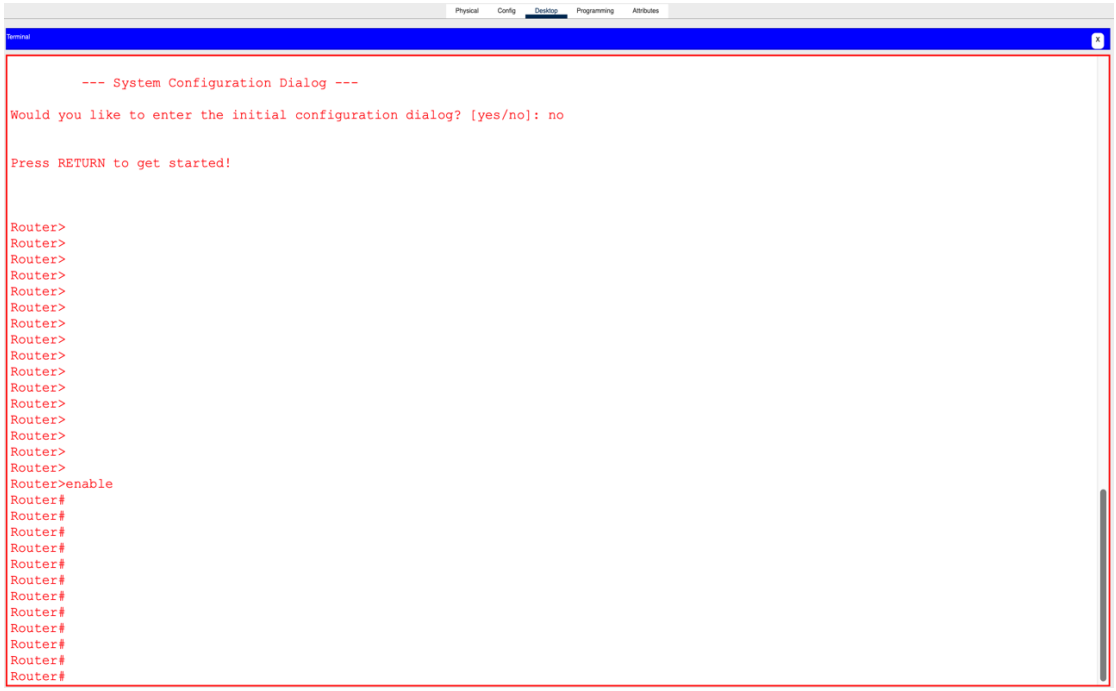
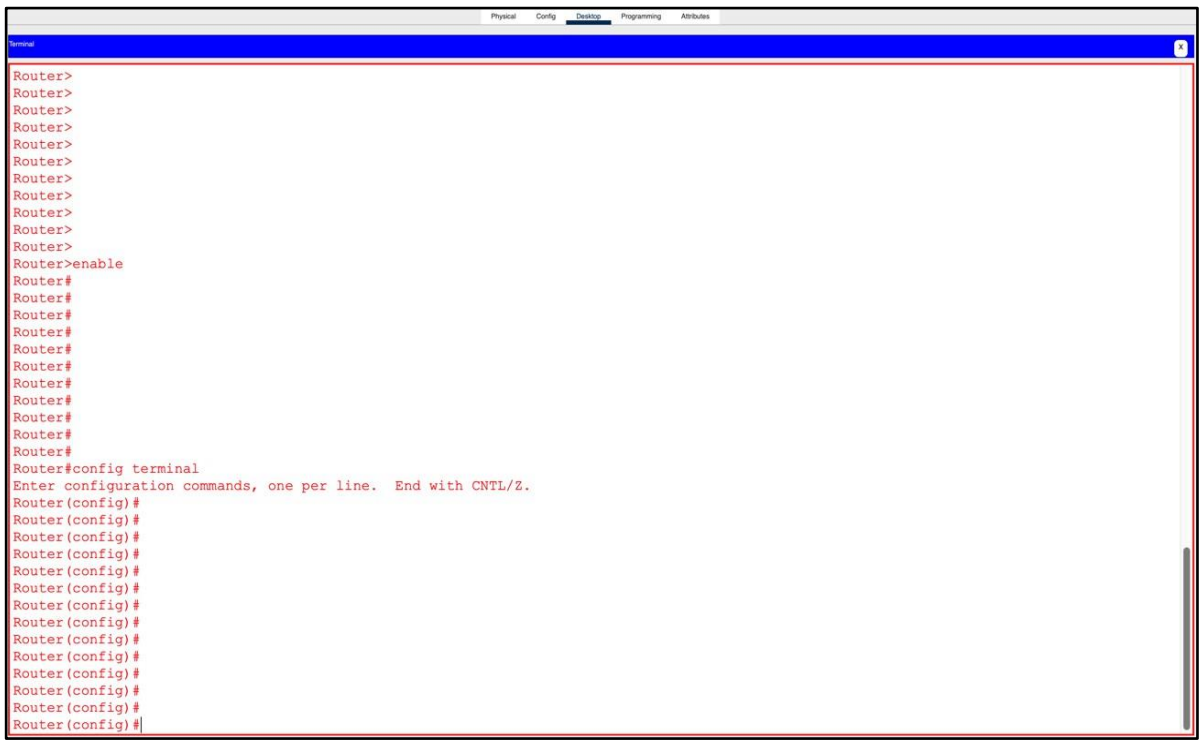
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 9 :- Enter the command "enable" to enter into privilege mode.



Step – 10 :- Enter the command "config t" to enter into configuration mode



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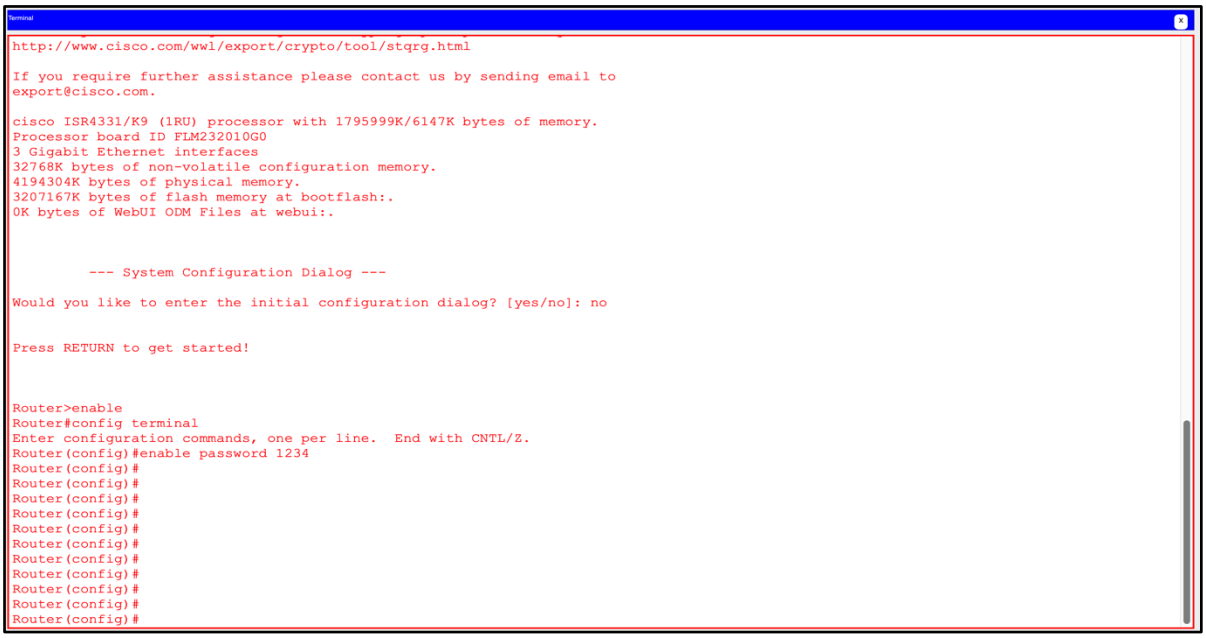
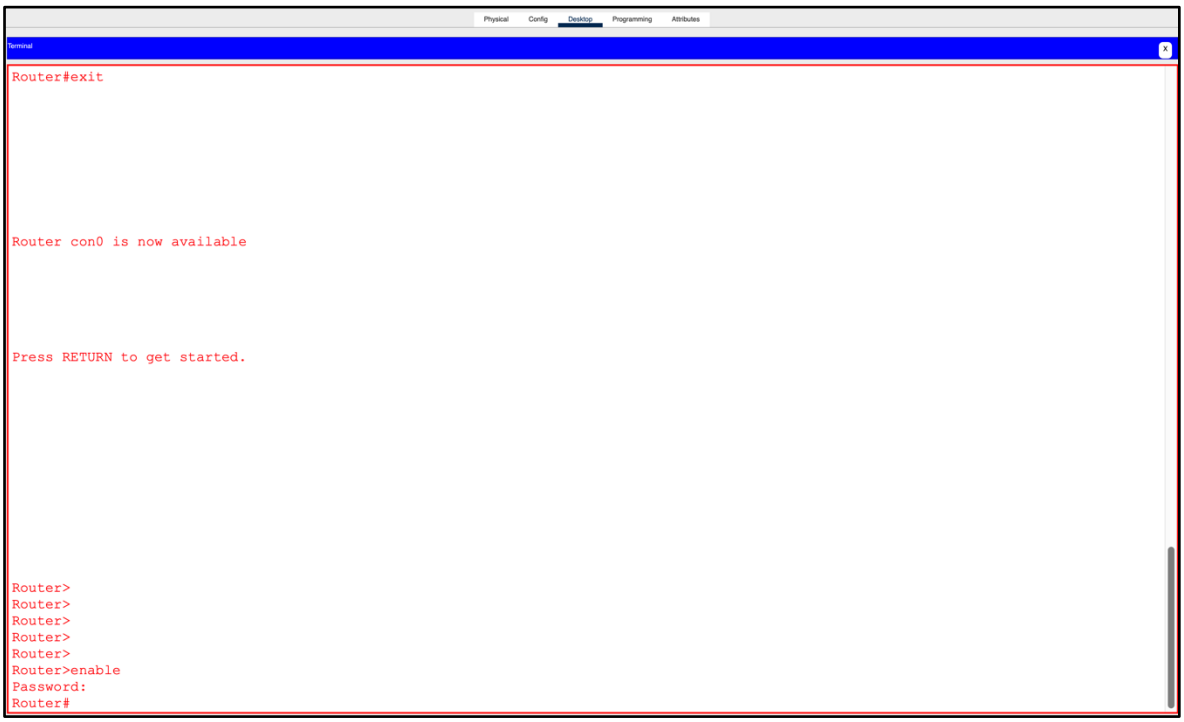
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 11 :-To return to user mode, type exit twice from global configuration. Then set the privileged mode password using the enable secret <password> command in config mode.



Step – 12 :-Type exit twice to return from global configuration mode to user mode.Then type enable to enter privileged mode — it will prompt for the password you set with enable secret.



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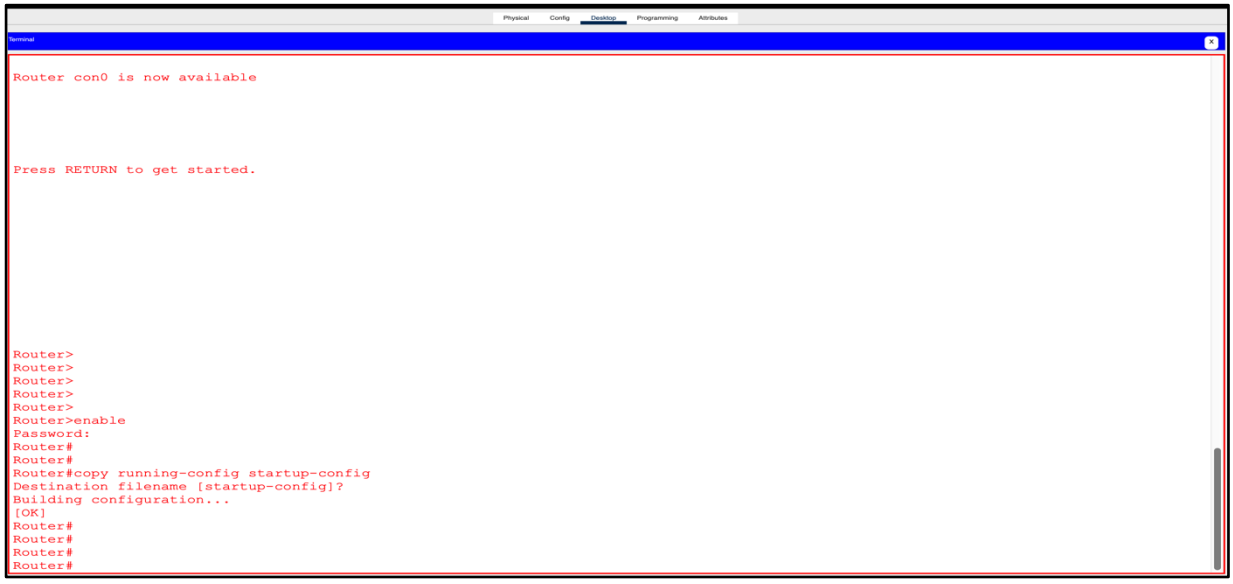
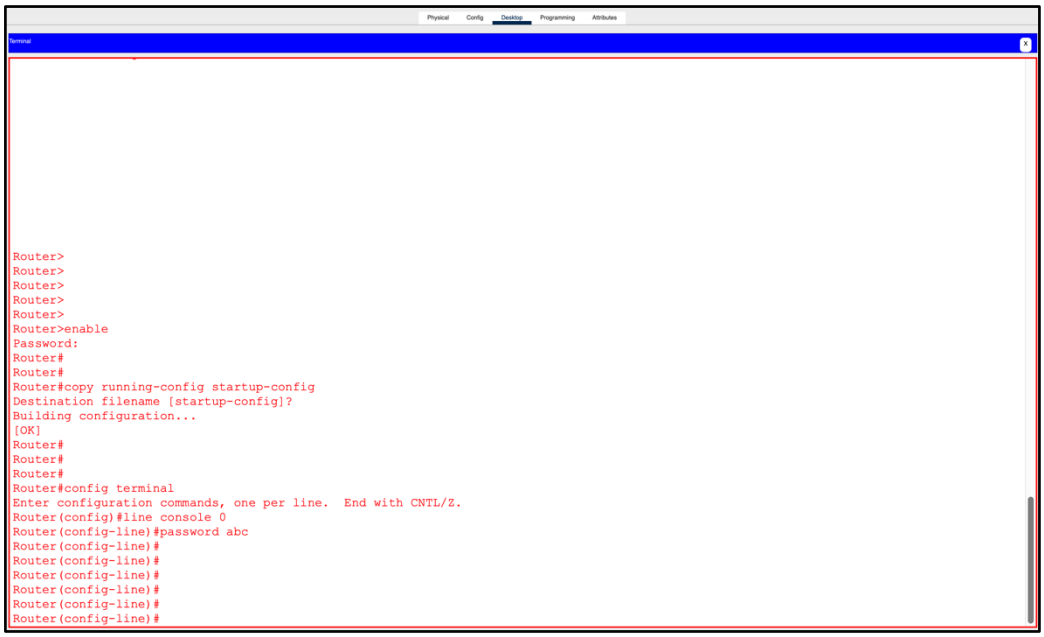
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 13 :- Use the command copy running-config startup-config to save the password and all configurations permanently.



Step – 14 :- To configure a login password for console access, enter global configuration mode, then use the command line console 0, followed by password <password> and login to enable password authentication.



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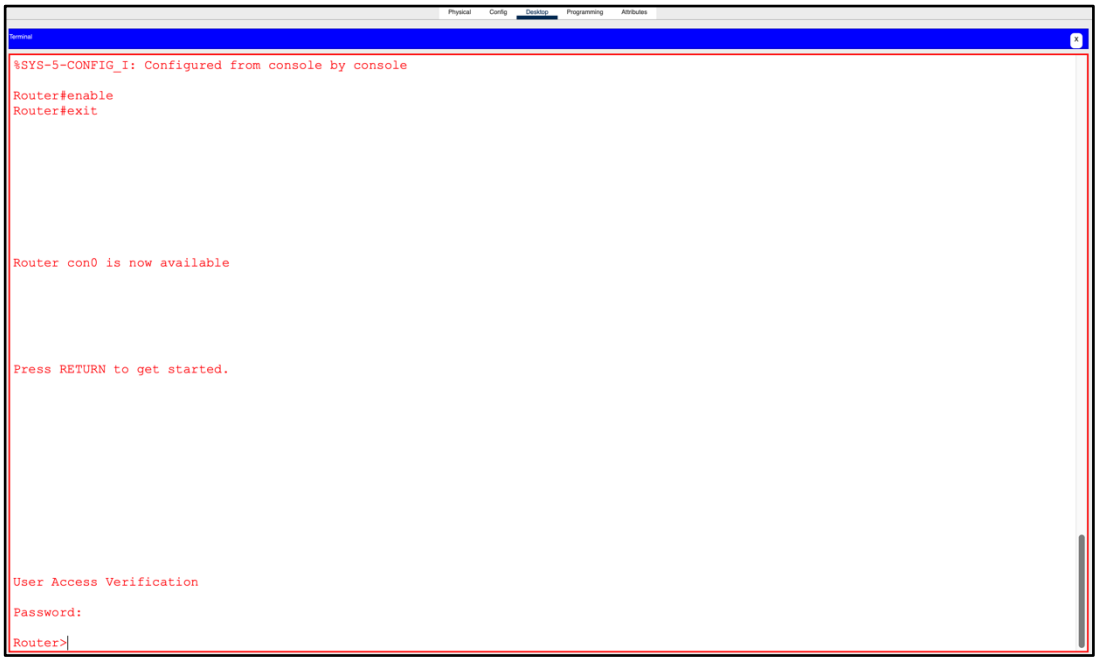
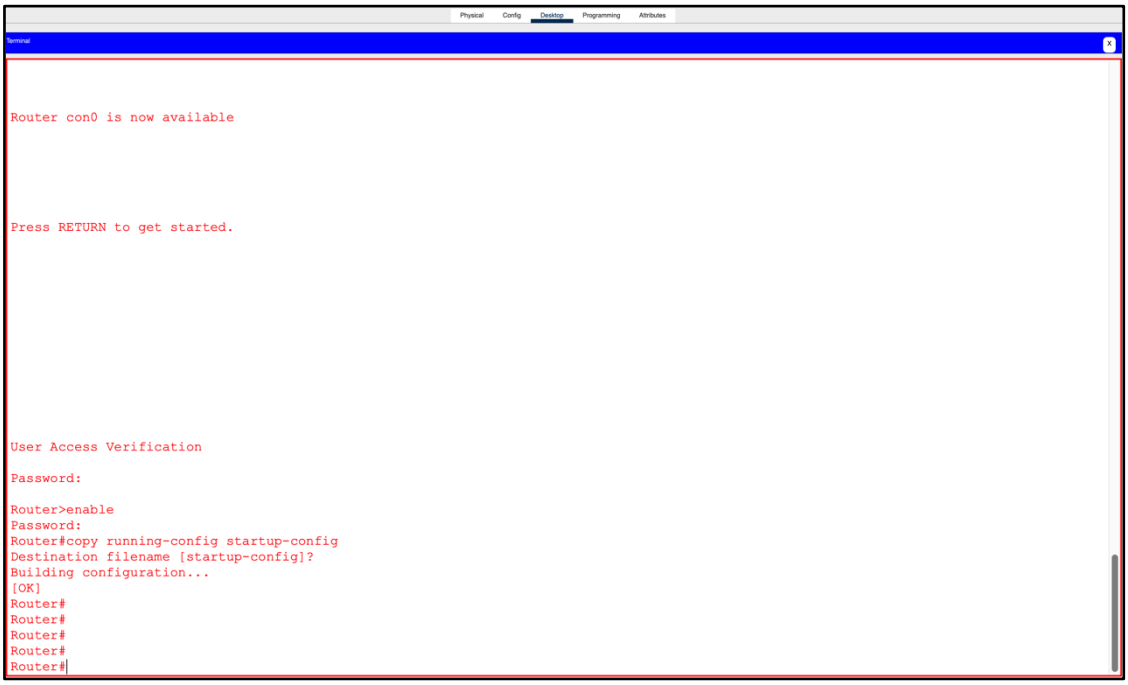
Experiment No: 02	**Date: 30-07-2025**	**Enrolment No: 92301733054**

Step – 14 :- To return from configuration mode to user EXEC mode and apply the password, use the exit command twice in CLI.



Step – 15 :- To save all current configurations, use the CLI command copy running-config startup-config to copy the running configuration to the startup configuration.



Conclusion: