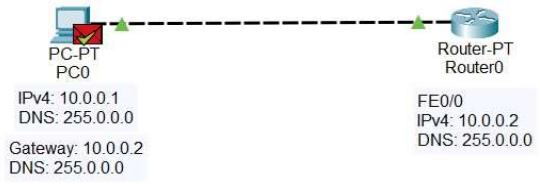
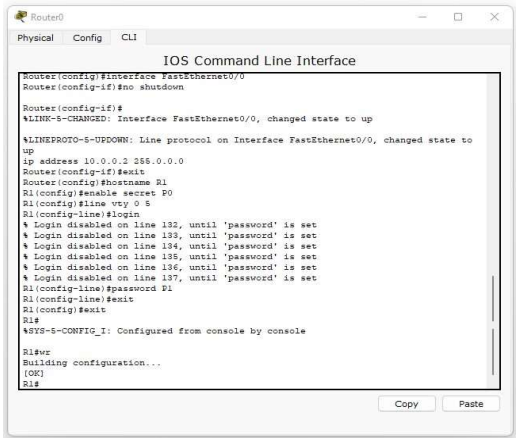
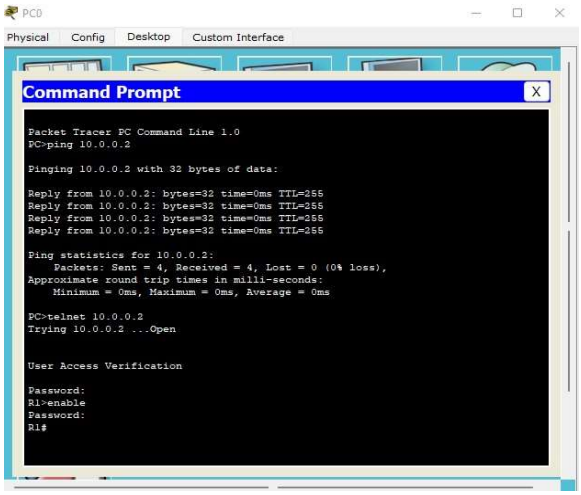
LABORATORY PROGRAM – 5

To understand the operation of TELNET by accessing the router in server room from a PC in IT office.





Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Router0	ICMP		0.000	N	0	(edit)	

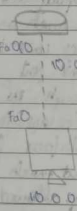


Date 8/12/24
Page

To understand the operation of TELNET by accessing the router in server room from a PC in IT office

→ Aim: To understand the operation of Telnet by accessing the router in the server room from a designated device in the IT office

→ Topology:



Procedure

① Router> enable →
Router#conf t
enable secret p1
interface fastethernet 0/0
ip address 10.0.0.1 255.0.0.0
no shutdown

② line vty 0 5
login
password p0

wr or copy running-config startup-config

③ Configure the PC with IP address 10.0.0.2
ping 10.0.0.1

④ PC →
telnet 10.0.0.1
password p0
enable secret p1

⑤ Ping to the router (10.0.0.1) from the PC was successful
- Telnet access was established, allowing remote config of the router

Observation

Telnet, developed in 1969, is a simple text-based protocol that enables communication with remote devices or servers over a TCP/IP network often used for initial setup or remote management of network devices. It operates via command-line interfaces. This experience demonstrate config a router using Telnet and validating connectivity using the Ping command from a PC

27/12/24