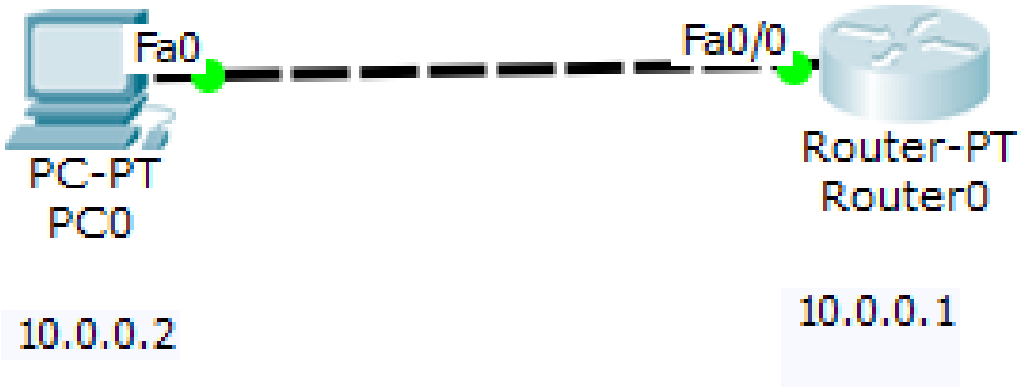
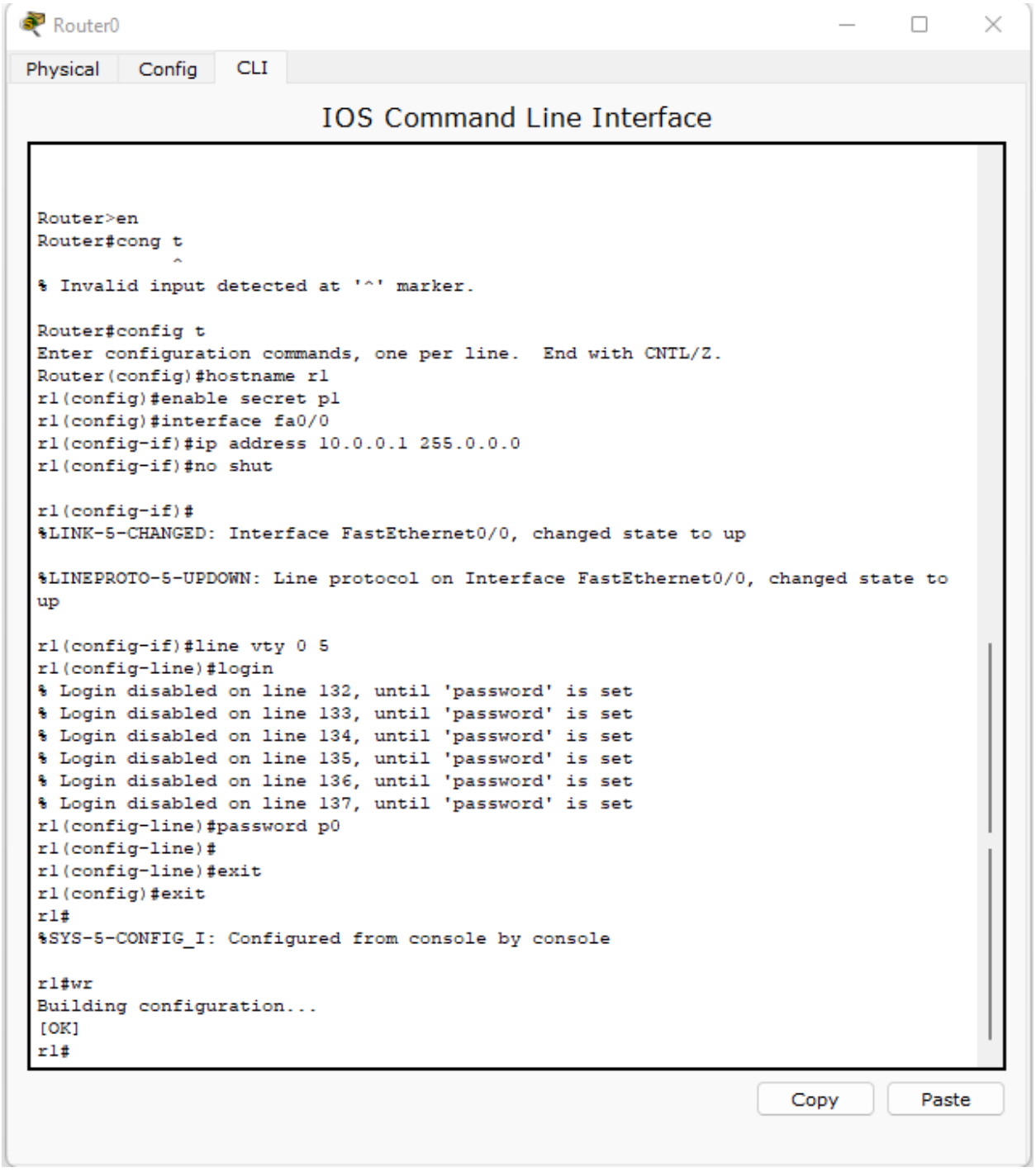
LAB 12:
Aim : To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

Topology:

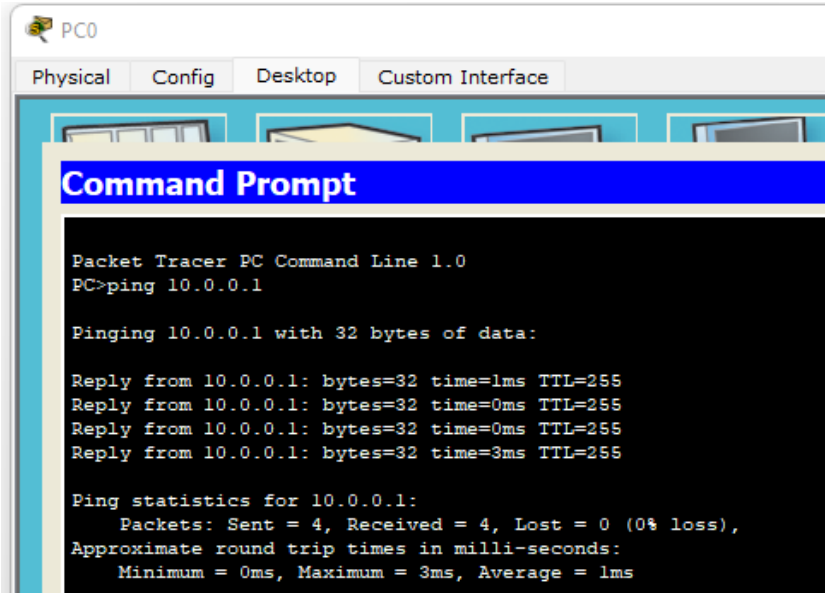


Configuration:
Router 0 CLI:

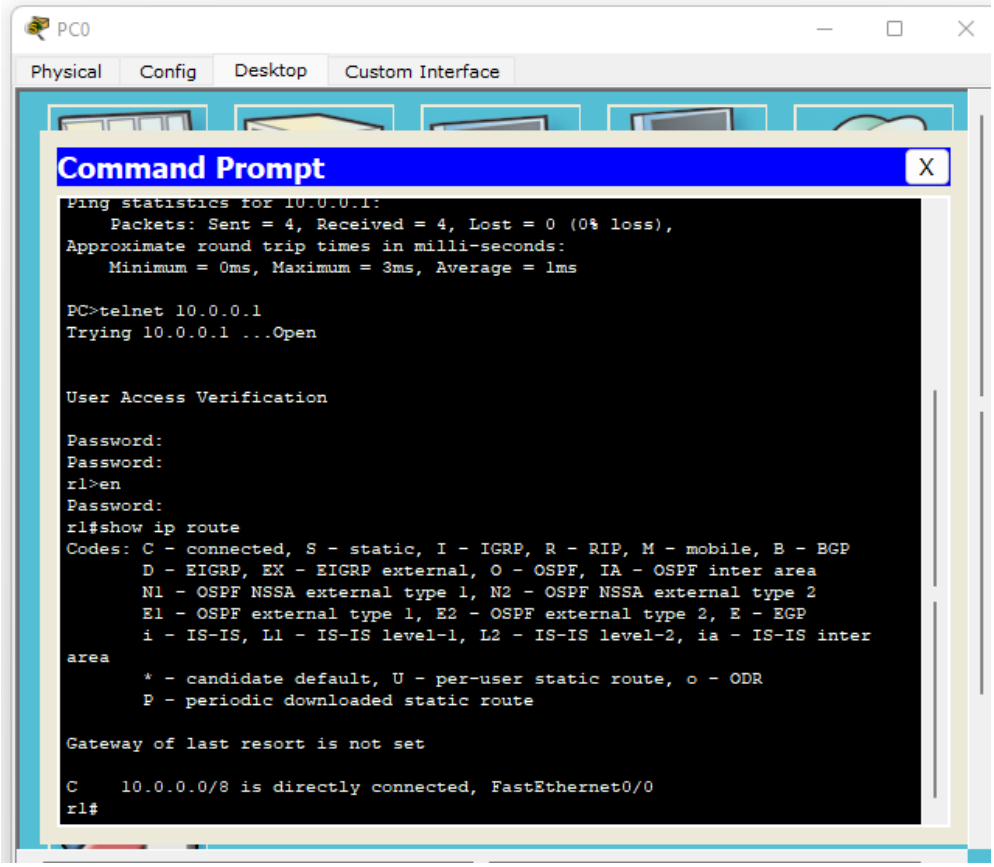


Command Prompt:

PC0 to Router:



Accessing the router in server room from a PC in IT office.



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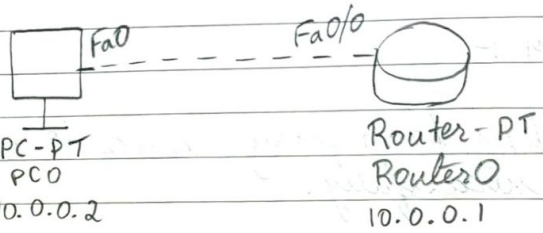

Procedure :-

1) Create the topology as shown above.
Wire used - Copper cross over.

2) Configure the PC
IP address = 10.0.0.2
Gateway = 10.0.0.1

3) In Router 0 CLI

```
Router > en
Router # config t
Router (config) #hostname r1
r1 (config) # enable secret p1
r1 (config) # int fa0/0
r1 (config-if) #ip address 10.0.0.1 255.0.0.0
```

r1(config-if)#no shut
r1(config-if)# line vty 0 5 -- for 6 users

r1(config-line)# login
r1(config-line)# password p0
r1(config-line)# exit
r1(config)# exit

r1# wr
Building Configuration...

Ping Output and Command prompt of PC0

We can successfully Ping 10.0.0.1 from PC0.

In PC0 command prompt :-

PC> telnet 10.0.0.1
Trying 10.0.0.1 ... Open

User Access Verification

Password: p0 -> won't be visible on screen
r1> en
Password: p1
r1# show ip route

C 10.0.0.0/8 is directly connected, FastEthernet0/0

Observation :-

→ We can observe that the admin in PC is able to run commands as run in router CLI and see the result from the PC.

→ Thus, with help of TELNET, we access the router in server room from a PC.

16/8/2023.