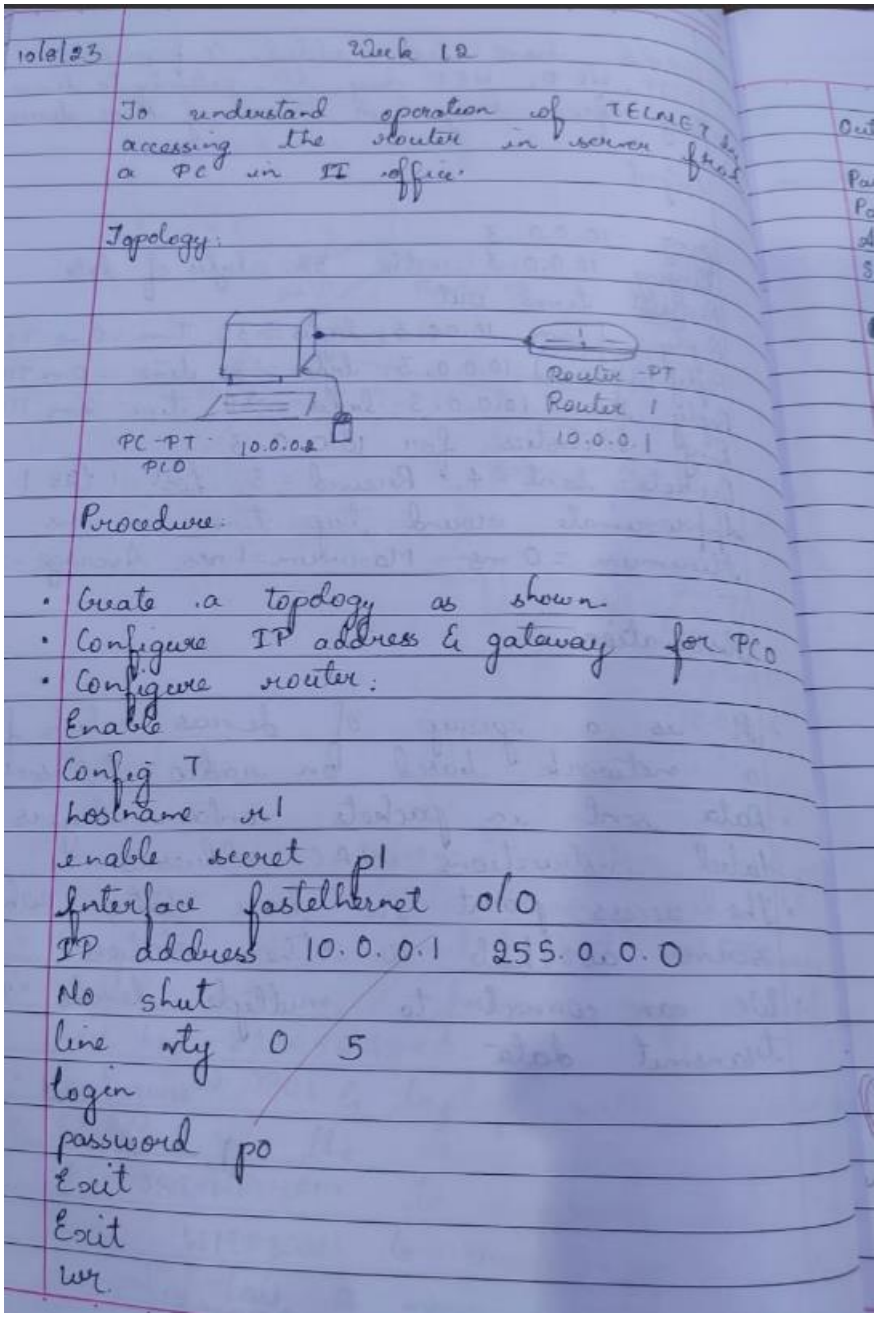
# Week 10

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

Observation:



10/8/23 Week 12

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

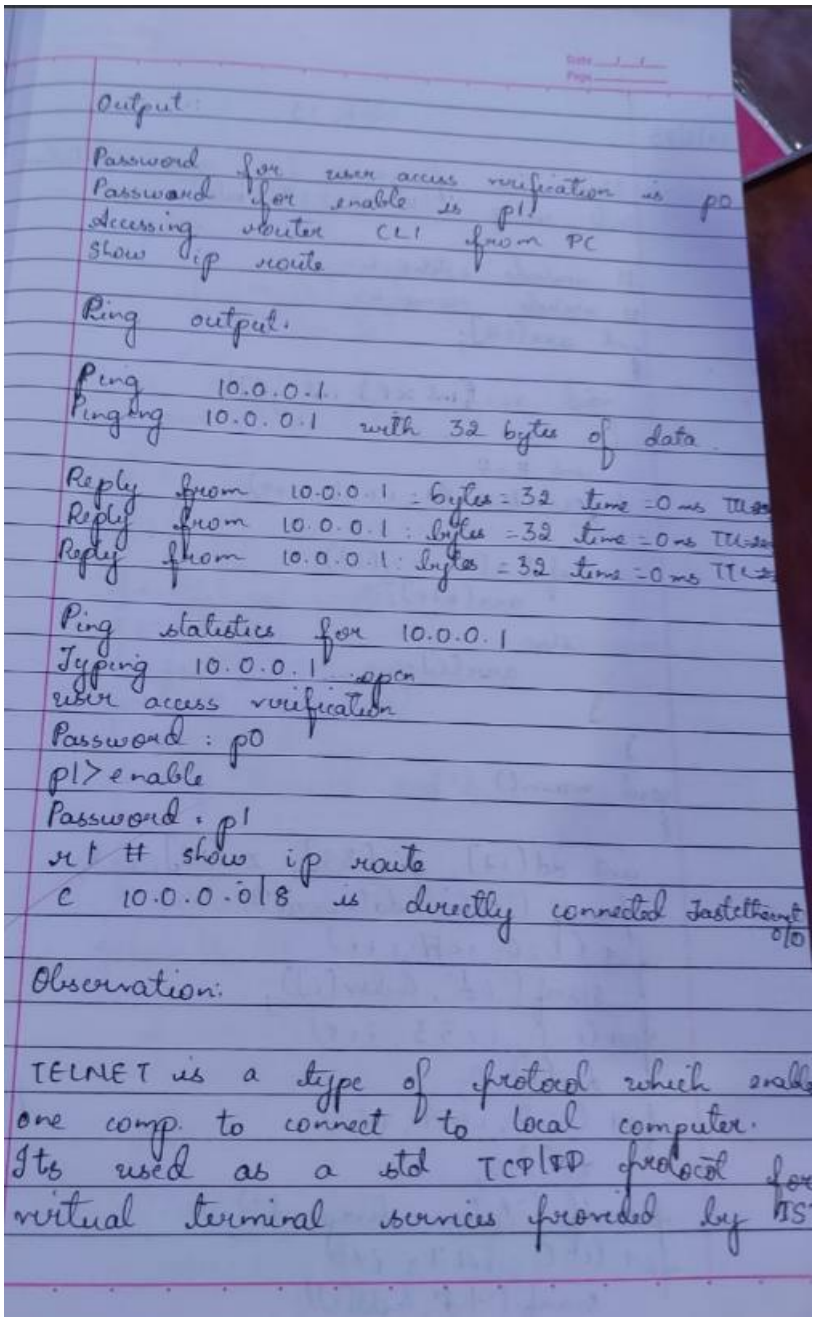
Topology:



Procedure:

- Create a topology as shown.
- Configure IP address & gateway for PC0
- Configure router:

Enable
Config T
hostname r1
enable secret p1
Interface fastethernet 0/0
IP address 10.0.0.1 255.0.0.0
No shut
line vty 0 5
login
password p0
Exit
Exit
wr



Output:

Password for user access verification is p0
Password for enable is p1
Accessing router CLI from PC
Show ip route

Ping output:

Ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data

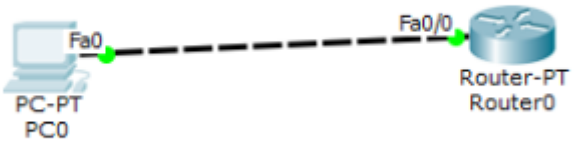
Reply from 10.0.0.1 : bytes = 32 time = 0 ms TTL=
Reply from 10.0.0.1 : bytes = 32 time = 0 ms TTL=
Reply from 10.0.0.1 : bytes = 32 time = 0 ms TTL=

Ping statistics for 10.0.0.1
Typing 10.0.0.1 ...open
user access verification
Password : p0
p1>enable
Password : p1
r1 # show ip route
C 10.0.0.0/8 is directly connected FastEthernet 0/0

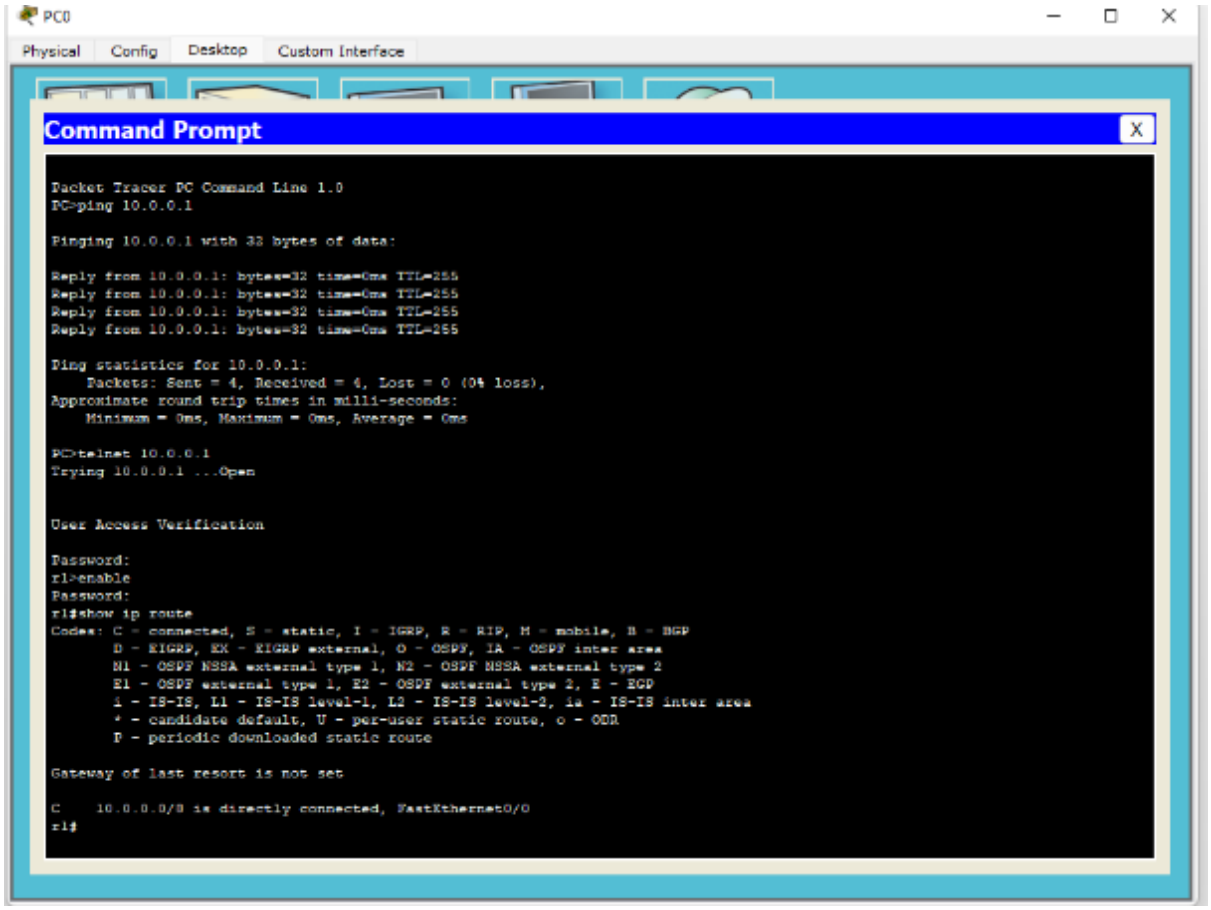
Observation:

TELNET is a type of protocol which enable one comp. to connect to local computer.
Its used as a std TCP/IP protocol for virtual terminal services provided by IS

Topology:



Output :


PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
X
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Ping statistics for 10.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open
User Access Verification
Password:
r1>enable
Password:
r1#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
C 10.0.0.0/8 is directly connected, FastEthernet0/0
r1#