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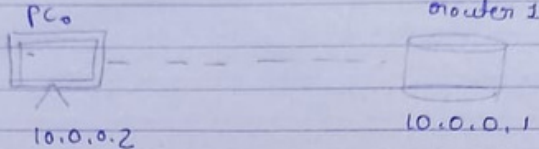
To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

OBSERVATION:

result in PC 0

PC 2 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 = 255

Ping statistic for 10.0.0.1
packets sent = 4, received = 4, lost 0/0 (0% loss)
approximate trip time in milliseconds.
  minimum = 0 ms, maximum = 0 ms Average = 0ms

PC > telnet 10.0.0.1
User access verification.
  Password :   (type P0)
  R1 > enable
    Password :   (type P1)
R1 # show ip route.
Codes:
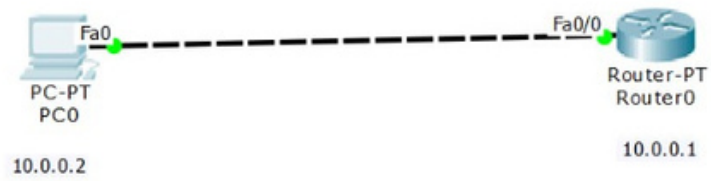   gateway of cast restart is not set
    10.0.0.1 is directly connected, fast ethernet 0/0,

Observation :-
1) Telnet is used by terminal emulation program
   that allow you to log into remote host
2) we logged into (0.0.0.) through 10.0.0.2
   R1 device
3) Password when typed isn't visible

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TOPOLOGY:

Fa0   Fa0/0

PC-PT   Router-PT
PC0   Router0

10.0.0.2   10.0.0.1

OUTPUT:

PC0

Physical | Config | Desktop | Custom Interface

Command Prompt

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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=1ms 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 = 1ms, Average = 0ms

PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open


User Access Verification

Password:
% Password:  timeout expired!

[Connection to 10.0.0.1 closed by foreign host]
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open


User Access Verification

Password:
Password:
Password:

[Connection to 10.0.0.1 closed by foreign host]
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#
```