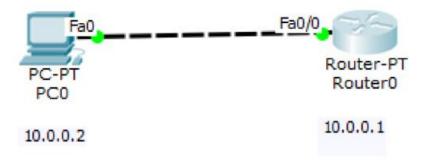
Experiment - 12

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





Physical Config CLI

IOS Command Line Interface

```
Router>en
Router#cong t
§ Invalid input detected at '^' marker.
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #hostname rl
rl(config) #enable secret pl
rl(config) #interface fa0/0
rl(config-if) #ip address 10.0.0.1 255.0.0.0
rl(config-if) #no shut
rl(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
rl(config-if) #line vty 0 5
rl(config-line) #login
& Login disabled on line 132, until 'password' is set
Login disabled on line 133, until 'password' is set
% Login disabled on line 134, until 'password' is set
Login disabled on line 135, until 'password' is set
Login disabled on line 136, until 'password' is set
% Login disabled on line 137, until 'password' is set
rl(config-line) #password p0
rl(config-line)#
rl(config-line) #exit
rl(config) #exit
```

Command Prompt

```
Ping statistics for IU.U.U.I:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = 3ms, Average = 1ms
PC>telnet 10.0.0.1
Trying 10.0.0.1 ...Open
User Access Verification
Password:
Password:
rl>en
Password:
rl#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
    10.0.0.0/8 is directly connected, FastEthernet0/0
```

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.1

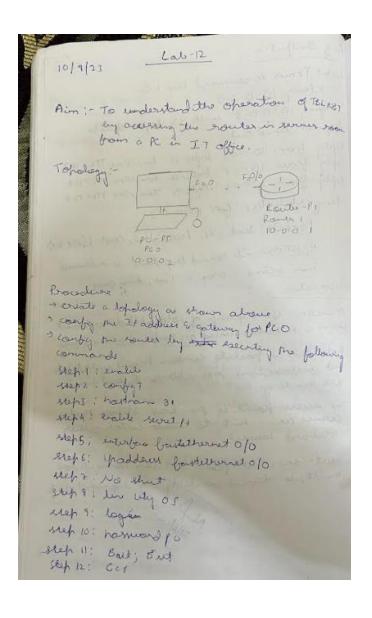
Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=lms 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=3ms 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 = 3ms, Average = 1ms
```



gring message to executer parminod for user Access merificate is po password for enable is pr Accessing routes CLI from PC show II From to. PING OUTPUT -Packet Traces 16 command line 1.0 10 > Ping 10:00-1 languag 10:0.0.1 with 32 leyles of date Refly from 10.0.0.1: lytes = 32 Tim= Oms TTL= 255 lepty from 10.0.01: lights: 32 Time. On TTL = 155 lighty from 10.0.01: lights: 12 Time: On TTL-215 Repty from 10.0.01: light: 32 Time: Ong TTL-215 Pung statisties for 10.0.0.1 Partielly sent - 4 Received = 4, last 20 (07 loss) Afternational sound trip times is mille record pursum = Om; Maxim = Oms; Averey = Om; PC & televel 10.0.0.1 · Typing 10.0.0.1 open user Acres verification Parenord: 10 PI Jamalel Parriero : P1 * 1 # show If noute C 10.0.0.0 | 8 as directly connected, > Fast Banerned 0/0

Observation: > TEINET stands from Teletype Network. It is a type of protocol that enables one computer to conned to me local computer. > It is used as a standard TCP [I] peroteal box the writing terminal services brounded by 180. I Proving TBL NET operation, whatever is every performed on me hernote computer will be displayed by me local computer. Telnet operales on a chient/servion principle.