

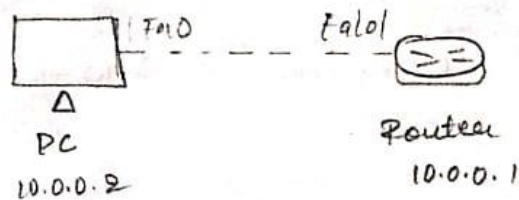
PROGRAM10: To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

OBSERVATION:

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

Aim: To understand and design TELNET to connect PC to router

Topology :-



Procedure :-

- * Connect PC to the router as shown in topology.
- * Assign IP addresses to the PC and router.
- * configure Router :

Router CLI :

```
# interface fast ethernet 0/0
# ip address 10.0.0.1 255.0.0.0
# no shut
```

Then commands : on Router:

```
# enable
# conf t
# host name R1
# enable secret P1
# interface fast ethernet 0/0
# ip address 10.0.0.1 255.0.0.0
# no shut
line vty 0 5
login
```

password po

ent

ent

wt

* Command in PC:

• Ping 10.0.0.1

ping results shown:

Packets: Sent = 4, Received = 4, Lost = 0

• telnet 10.0.0.1

Trying 10.0.0.1 .. open

User Access Verification

Password:

gt>enable

Password:

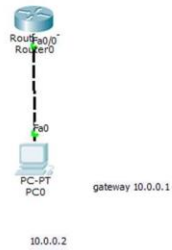
gt # show ip route

output: 10.0.0.0/24 is directly connected.

Observation:

- * Design of TELNET was successful.
- * It is observed that through TELNET the PC, the hostname and password is given to access CLI of Router by any other devices.
- * Could successfully ping.

TOPOLOGY and OUPUT:



```
PC0
Physical Config Desktop Custom Interface

Command Prompt
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:
gana#enable
Password:
gana#
```