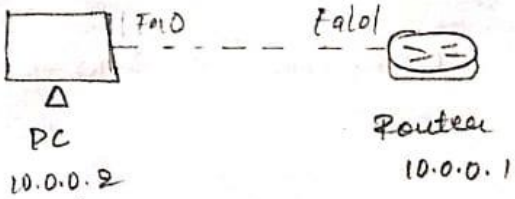
PROGRAM10: To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

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 address 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 : in 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 05
login

password p0
enet
enet
ht

* Command in PC:

- ping 10.0.0.1

  ping results shown:

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

- telnet 10.0.0.1

  Trying 10.0.0.1 .. open

  User access verification

  Password:

  R1> enable

  Password:

  R1# show ip route

  output: 10.0.0.0/8 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: