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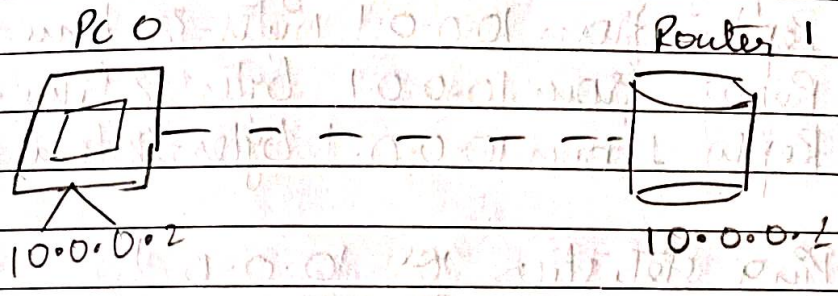
Experiment-12 :-

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

Topology:



Procedure:

(i) Configure topology as above, IP address of PC & gateway & router configuration as normal.

In Router (1)

Router > enable
- config t
- host name r1
- enable secret p1
- interface fastethernet 0/0
- ip address 10.0.0.1 255.0.0.0
- no shut
- login
- login disable 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

r1 (config-line) # password p0
r1 (config-line) # exit
r1 # w r

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Ping output:

In PC0

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

Packet sent=4, Recieved=4, Lost=0 (0% Loss)

Approximate rounded trip time in ms,

minimum=0ms, Maximum=0ms, Average=0ms

PC > Telnet 10.0.0.1

Trying 10.0.0.1 ---Open

User Access Verification

password (typed po)

R1>enable

password (typed p1)

R1# Show ip route

Code;

Gateway of last is not set 10.0.0.0/8 is directly connected FastEthernet 0/0

Observation:-

(i) TELNET is used by terminal emulation progeams that allow you to

(ii) we logged int 10.0.0.1 through 10.0.0.2 device

(iii) the password when typed is not visible.

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