LAB-5)To understand operation of TELNET BY accesing their route placed in the server room from a pc in IT office

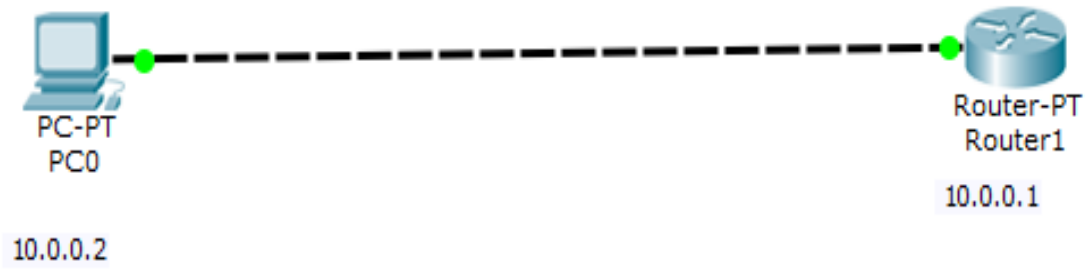

Fig-4.1)To understand operation of TELNET BY accesing their route placed in the server room from a pc in IT office

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
ip address 10.0.0.1 255.0.0.0
Router(config-if)##hostname R1
                  ^
% Invalid input detected at '^' marker.

Router(config-if)#hostname R1
R1(config)#enable secret p0
R1(config)#line vty 0 5
R1(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
R1(config-line)#password p1
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
R1#
```

Fig 4.2)To understand operation of TELNET BY accesing their route placed in the server room from a pc in IT office

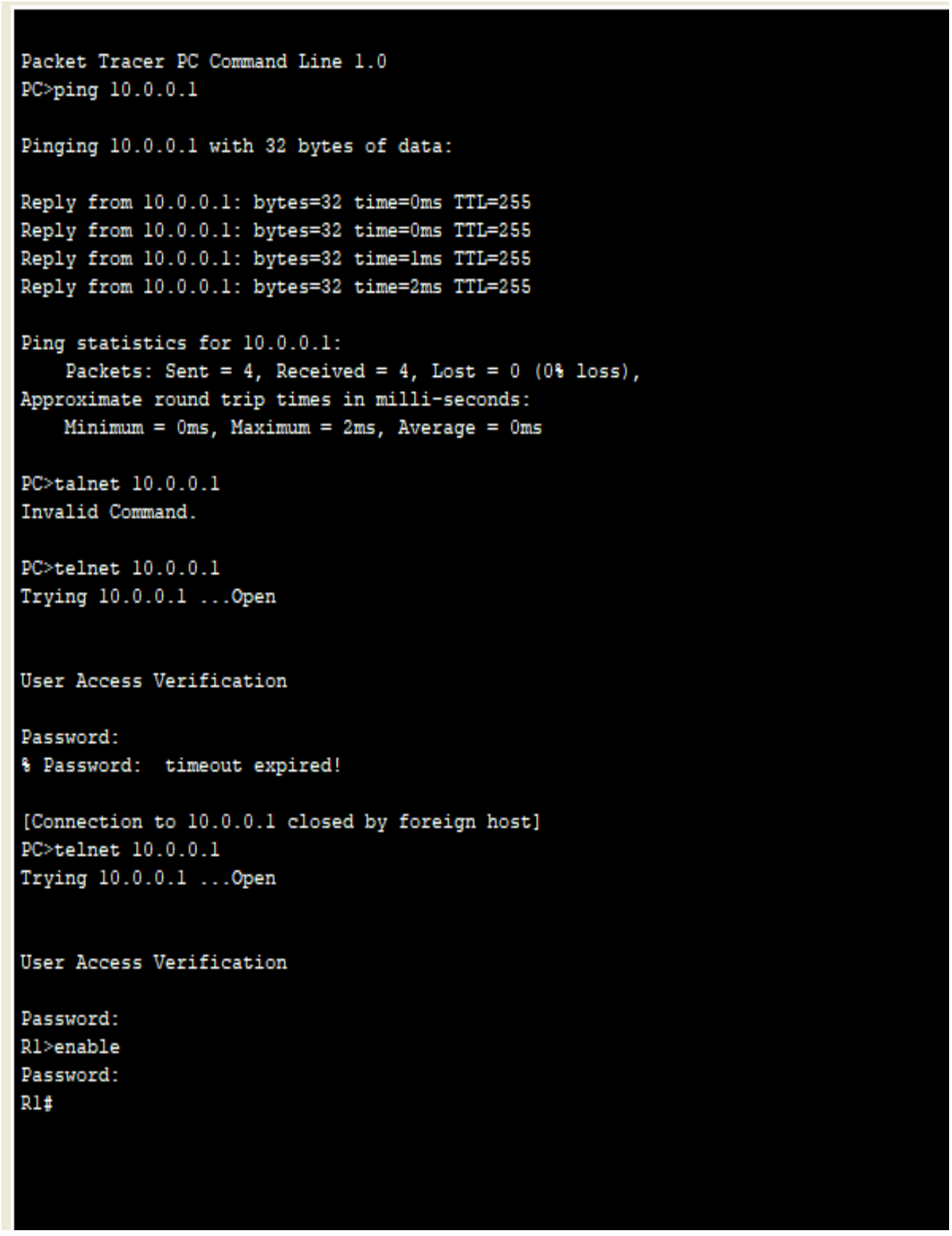

Fig-4.3 Observation of To understand operation of TELNET BY accesing their route placed in the server room from a pc in IT office

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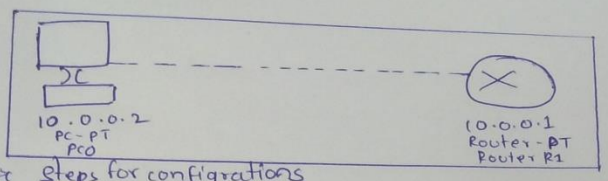
To understand opreation of TELNET by accessing their route placed in the server room from a Pc in IT office



Steps for configrations

① click on the first Pc and put IP address as 10.0.0.2, 255.0.0.0

② click on Route and put IPaddress and subMission Masks as - 10.0.0.1, 255.0.0.0

③ IN Router CLI write following command.

```
# hostname R1
# enable secret P0
# line vty 0 5
# login
# password P1
# exit
# exit
# WR
```

Observation →

```
# 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
"
"
"
Ping stastics for 10.0.0.1
Packet: Sent = 4, Recived = 4, lost = 0 (0% loss),
Approximate round Trip times in Milli-seconds:
    Minimum = 0MS, Maximum = 2MS, Avg = 0 Ms
Pc> talnet 10.0.0.1
Trying 10.0.0.1 -- open
user access verified

Password: P1
R1> enable
Password: P0
R1#
```

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Fig 4.5 observation

2)TTL

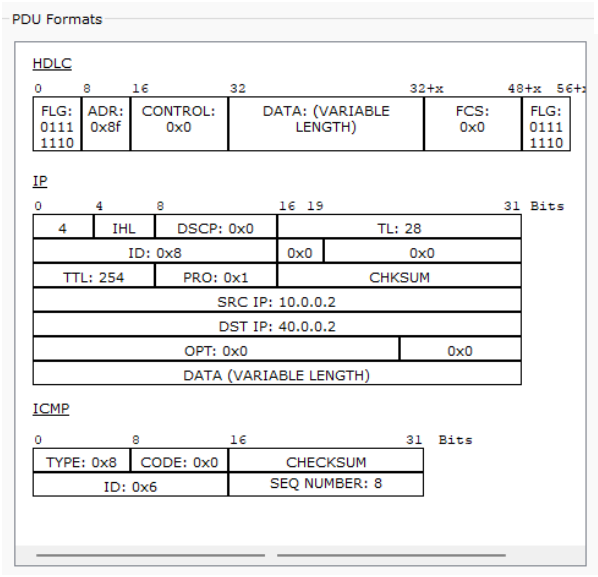

Fig-4.6 TTL For Router1

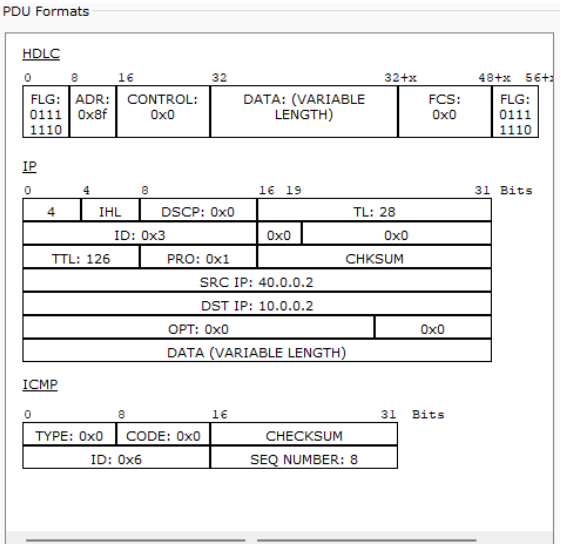

Fig-4.7 TTL For Router2

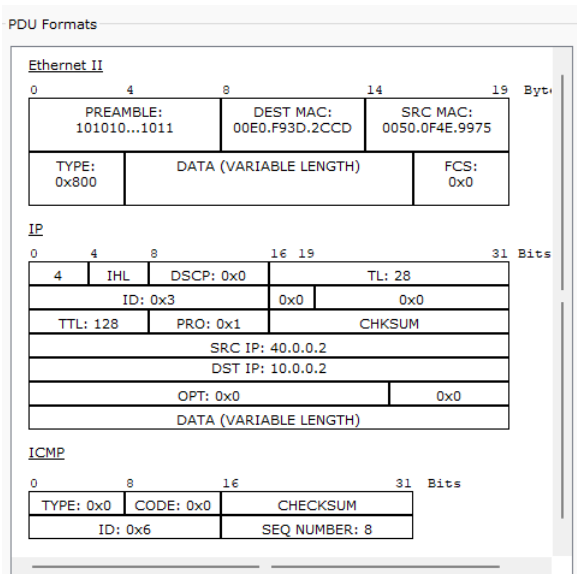

Fig-4.8 TTL For Router3

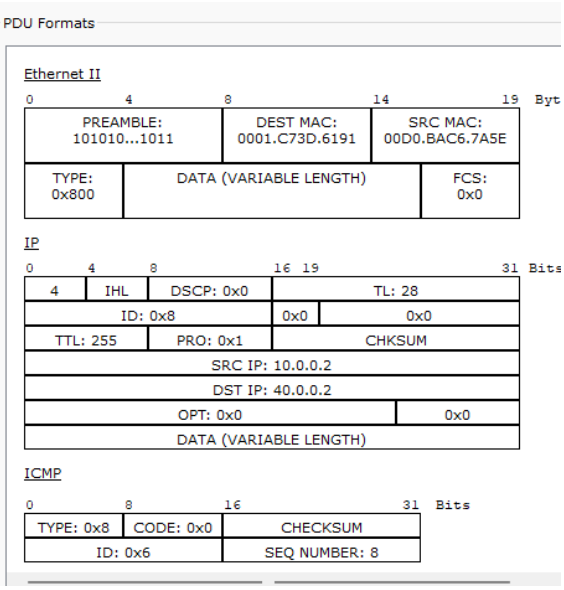

fig 4.9 for PC1

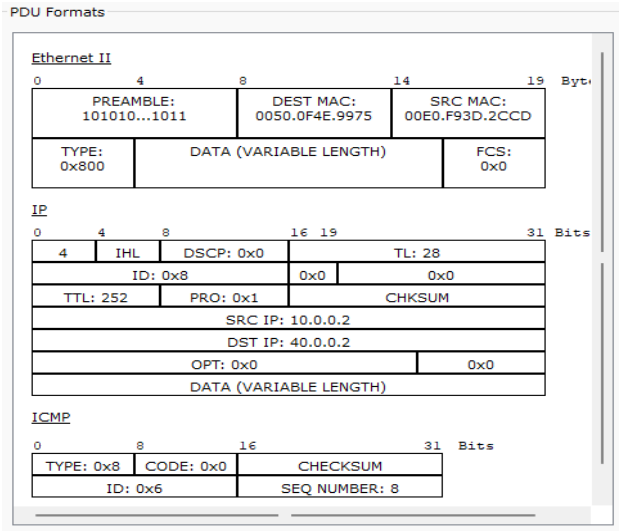

Fig-4.10 TTL For pc2