LAB-4

LAB-4)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

```
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=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=1ms TTL=255
Reply from 10.0.0.1: bytes=32 time=2ms 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 = 2ms, Average = 0ms

PC>talnet 10.0.0.1
Invalid Command.

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:
R1>enable
Password:
R1#
```

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

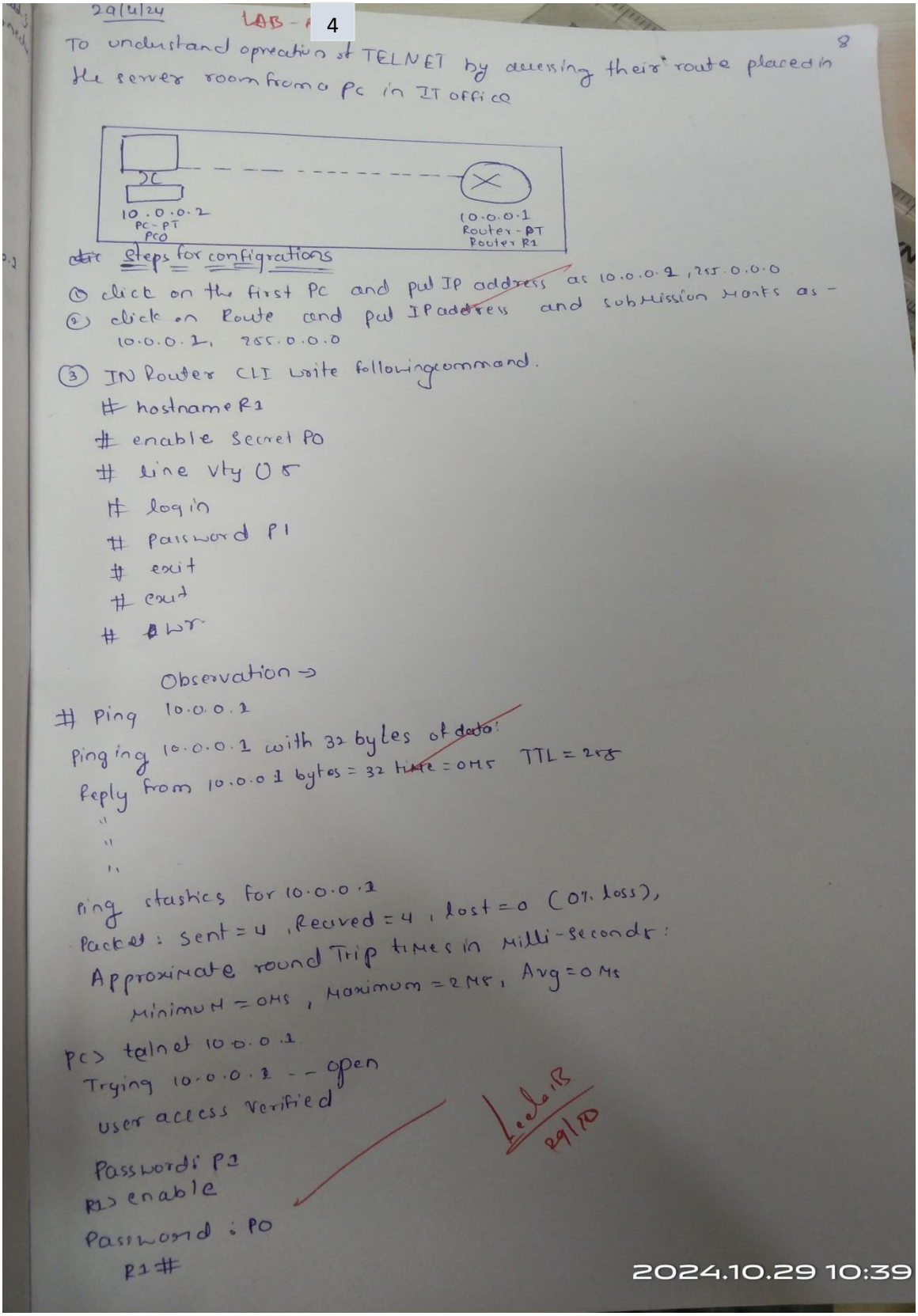

Fig 4.5 observation

2)TTL

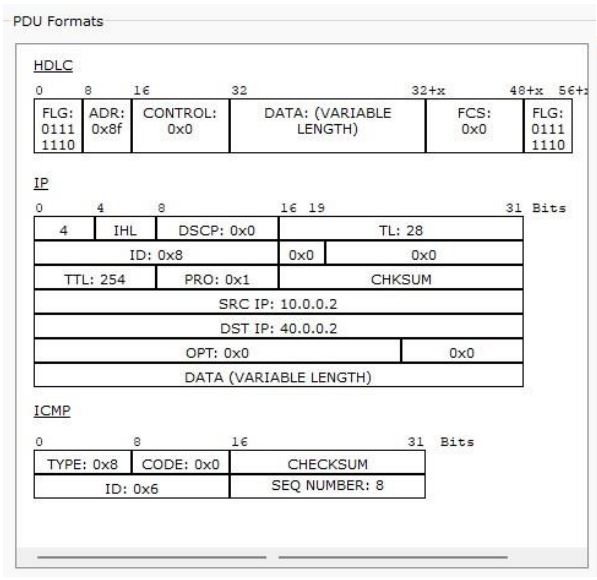

Fig-4.6 TTL For Router1

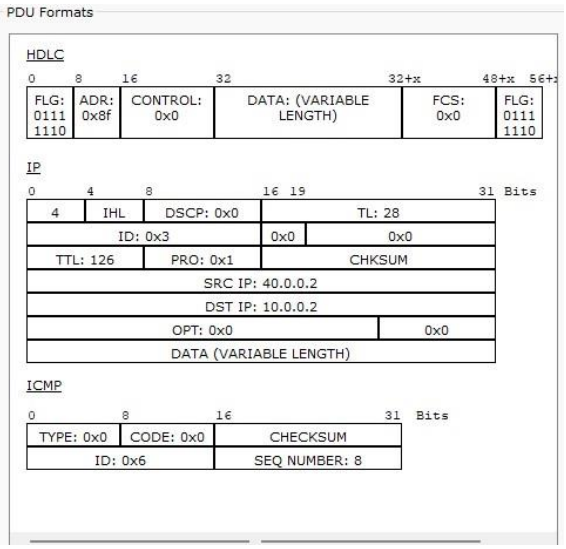

Fig-4.7 TTL For Router2

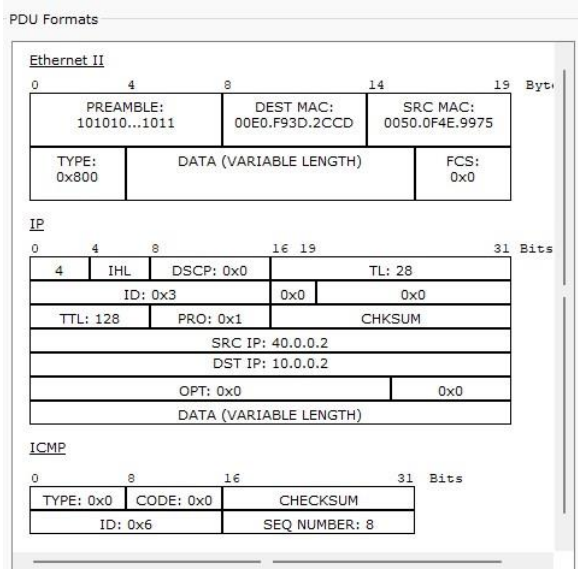

Fig-4.8 TTL For Router3

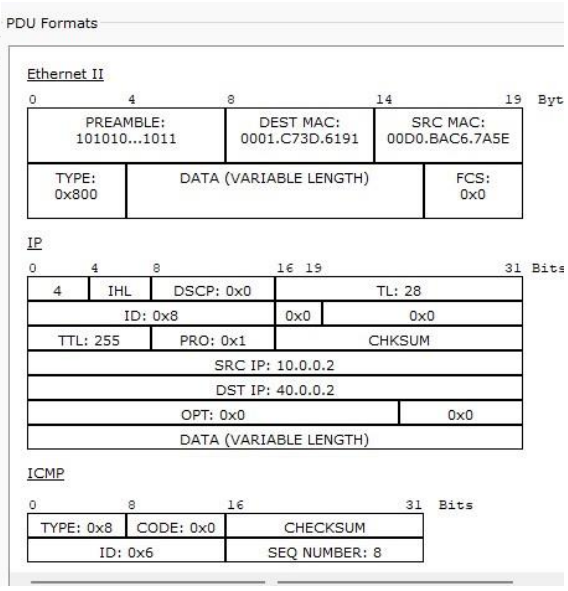

fig 4.9 for PC1

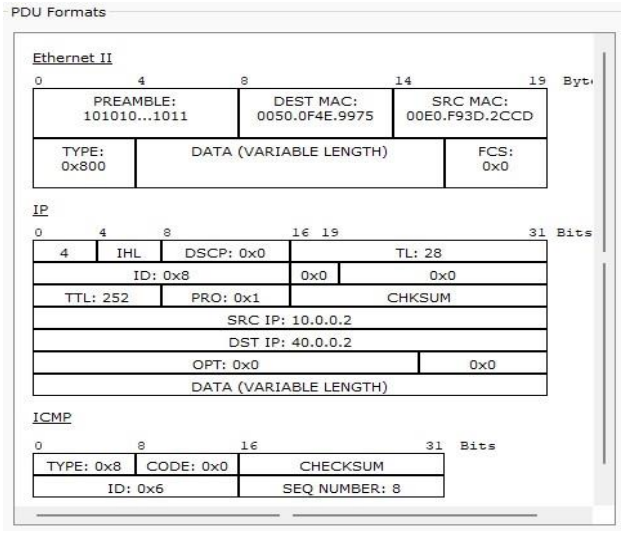

Fig-4.10 TTL For pc2