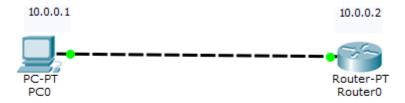
NAME: Mohith Jain USN: 1BM22CS162

# CN LAB 5

AIM: TO UNDERSTAND THE OPERATION OF TELNET BY ACCESSING THE ROUTER PLACED IN THE SERVER ROOM FROM A PC IN IT OFFICE.

# TOPOLOGY:



### **CONNECTION SETUP B/W PC and ROUTER:**

Router>enable Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface fastethernet0/0

Router(config-if) #ip address 10.0.0.1 255.0.0.0

Router(config-if) #no shutdown

### **ROUTER CONFIGURATION FOR SECRET-KEY and PASSWORD:**

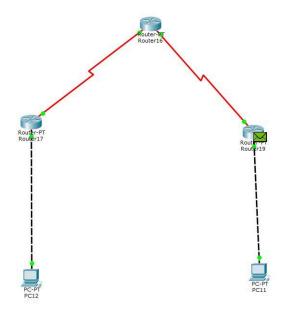
```
Router(config-if)#exit
Router(config) #interface FastEthernet0/0
Router(config-if)#
Router(config-if) #exit
Router(config) #interface FastEthernet0/0
Router(config-if) #ip address 10.0.0.2 255.0.0.0
Router(config-if)#
Router(config-if) #exit
Router(config) #interface FastEthernet0/0
Router(config-if) #exit
Router(config) #hostname R1
R1(config) #ebenable 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
R1#wr
Building configuration...
[OK]
R1#
```

### **USING TELNET COMMAND:**

```
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
PC>telnet 10.0.0.2
Trying 10.0.0.2 ...Open
User Access Verification
Password:
R1>enable
Password:
R1#
[Connection to 10.0.0.2 closed by foreign host]
PC>
```

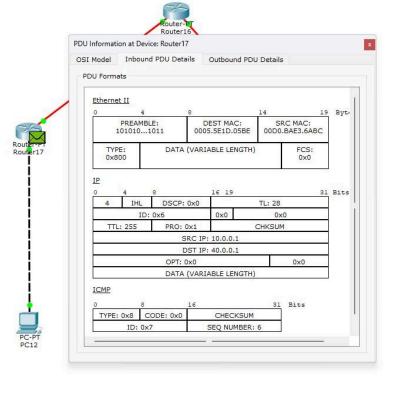
# b) TTL CONCEPT

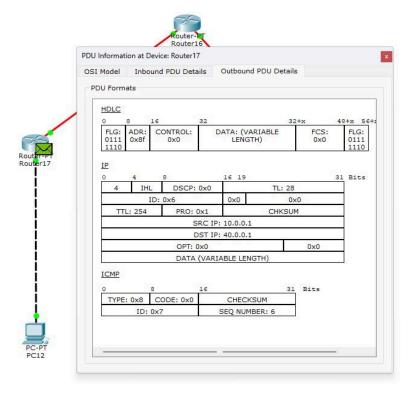




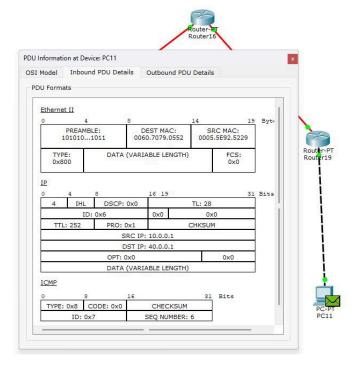
# **INBOUND FOR ROUTER1:**

# **OUTBOUND FOR ROUTER1:**

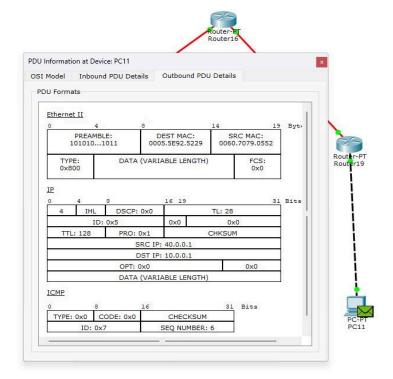




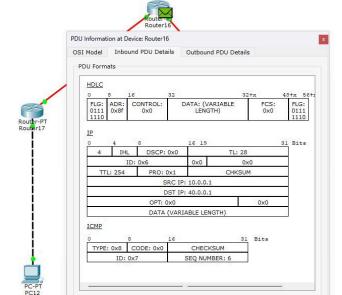
### **INBOUND FOR PC1:**



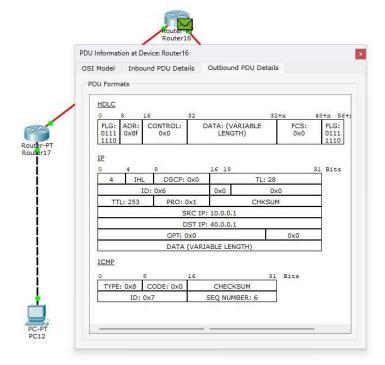
# **OUTBOUND FOR PC1:**



### **OUTBOUND FOR ROUTER1:**



### **INBOUND FOR ROUTER1:**



# **OBSERVATION:** ACCESSING ROUTER USING TELNET:

	Bafne Gold- 29 10 24 bate: Page:
AIM:	Lob-05 To understand the operation of TELNET by accerding the router placed by the server room
	TELNET -> Telecous network  Protocal which allows to remotely access the network
ip add	
	Step 2: Set ip address for fartitherno olo as 10.0.0.
	Routex > enable Routex O.  Routex # courting t  Routes (courting) # interface Factothernet o/o.
	Router (config-if) # ip address 10.0.0.2 255.0.0.0 Router (config-if) # no shutcown Router (config-if) # Noter (config-if) # NINK-5-CHANGED: Guterface FastEthernatolo, changed state to up
	0

