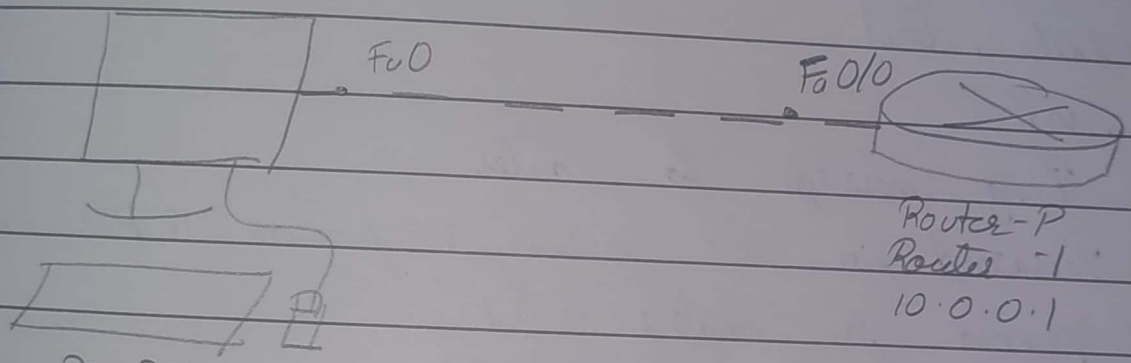
Date :

LAB - 12

Aim

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

TOPOLOGY:



Procedure:

1. Create a topology as shown above
2. Config the IP address & gateway for PC0
3. Config the routes by executing the following commands.

```
enable
config T
hostname r1
```

4) enable secret P1
5) interface fastethernet 0/0
6) ip address 10.0.0.1 255.0.0.0
7) No shut
8) line vty 05
9) login
10) password P0
11) Exit ; Exit
12) wr

Ping message to router
Password for User access Verification is P0
Password for enable is P1
Accessing router CLI from PC
Show IP route

Ping output :-
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=0ms TTL=255
Reply from 10.0.0.1: bytes=32 time=0ms TTL=255

Date :

Packets : Sent = 4 Received = 4 Lost = 0 (0% Loss)
Approximate round trip times in milliseconds
Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC> telnet 10.0.0.1
Typing 10.0.0.1 ... open
User Access verification
Password : P0
> enable
Password : P1
show ip route

C 10.0.0.0 /8 is directly connected, FastEthernet 0/0

OBSERVATION

* TELNET stands for Teletype Network. It is a type of protocol that enables one computer to connect to the local computer.
* It is used as a standard TCP/IP protocol for virtual terminal service provided by ISO
* During TELNET operation, whatever is being performed on the remote computer will be displayed by the local computer. TELNET operates on a client / server principle.