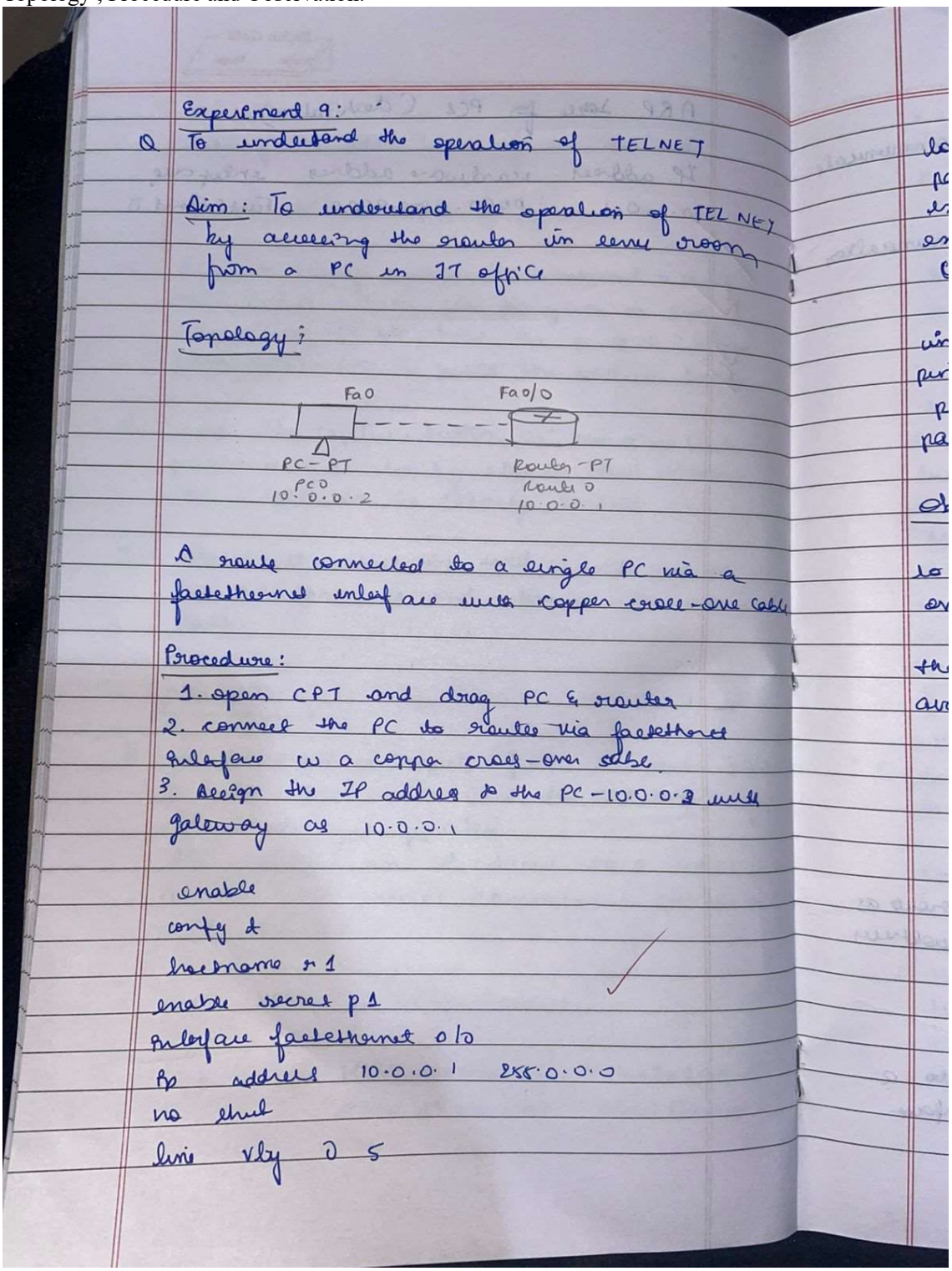
Avani.A (1BM22CS059)

EXPERIMENT-9

Aim:To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)

Topology , Procedure and Observation:



Experiment 9:

Q To understand the operation of TELNET

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

Topology:

A router connected to a single PC via a fastethernet interface with copper cross-over cable

Procedure:

1. open CPT and drag PC & router
2. connect the PC to router via fastethernet interface w a copper cross-over cable.
3. Assign the IP address to the PC - 10.0.0.2 with gateway as 10.0.0.1

enable
config t
hostname r1
enable secret p1
interface fastethernet 0/0
ip address 10.0.0.1 255.0.0.0
no shut
line vty 0 5

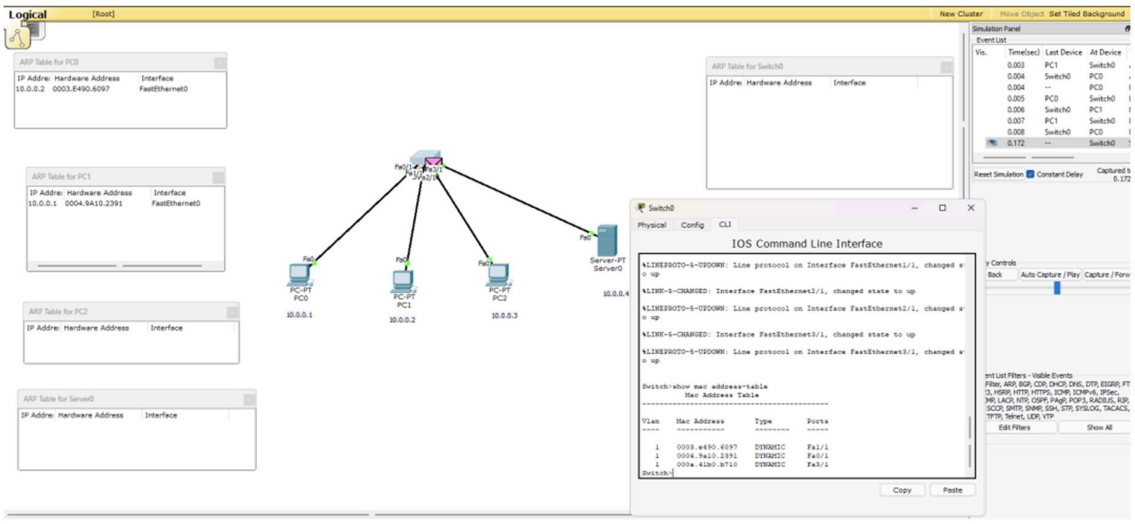
Date: Page:

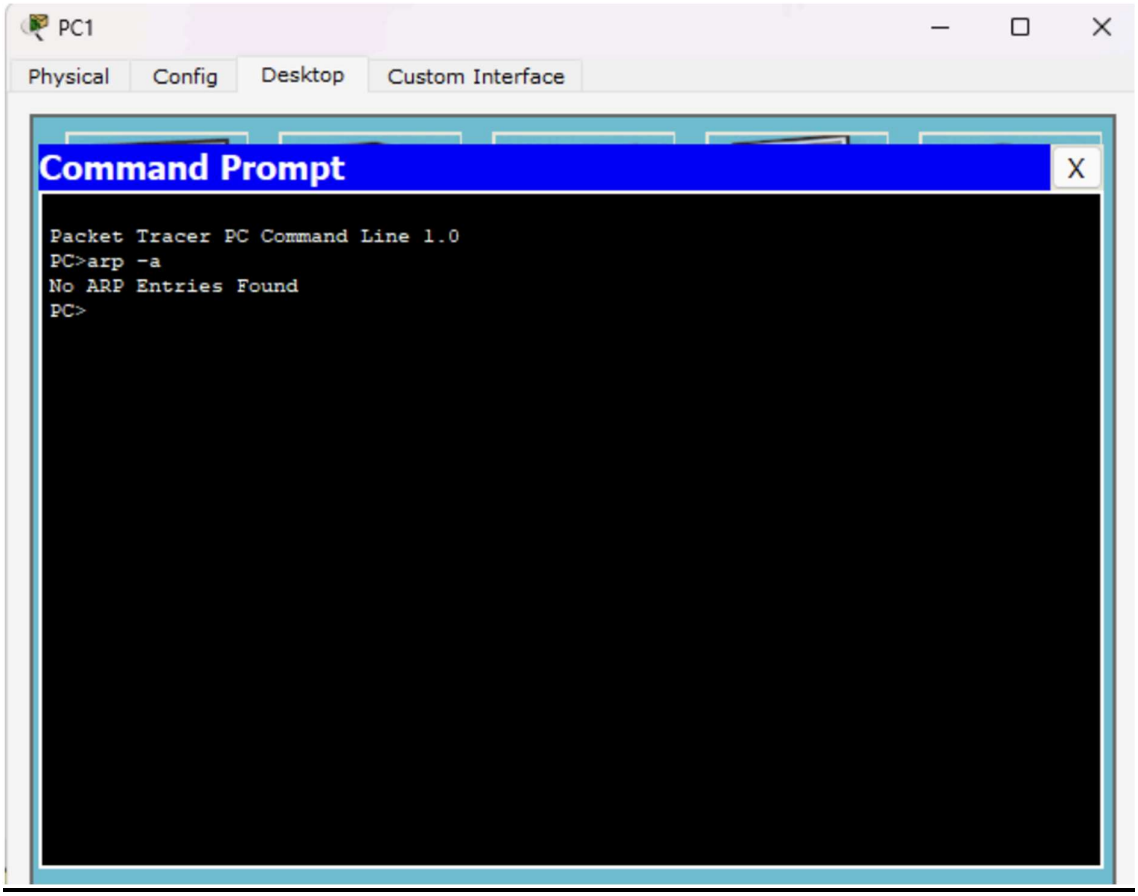
login
password p0
exec
exec
end.

in cmd
ping 10.0.0.1
password for user authentication is p0
password for enable is p1

Observations:
Telnet is a protocol for remote access to servers. It allows cmd-line comm over a network
This pc is able to send the data to the router and indicates that the gateway is available & connected.

Screenshots:





Switch:

```
Switch>
Switch>show mac address-table
          Mac Address Table
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Vlan    Mac Address       Type        Ports
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   1    0009.7c3c.0719    DYNAMIC     Fa2/1
   1    000c.cfd7.6dc7    DYNAMIC     Fa3/1
   1    0090.2b9d.194b    DYNAMIC     Fa0/1
   1    00d0.d33c.c6ae    DYNAMIC     Fa1/1
Switch>
```

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