WEEK-6
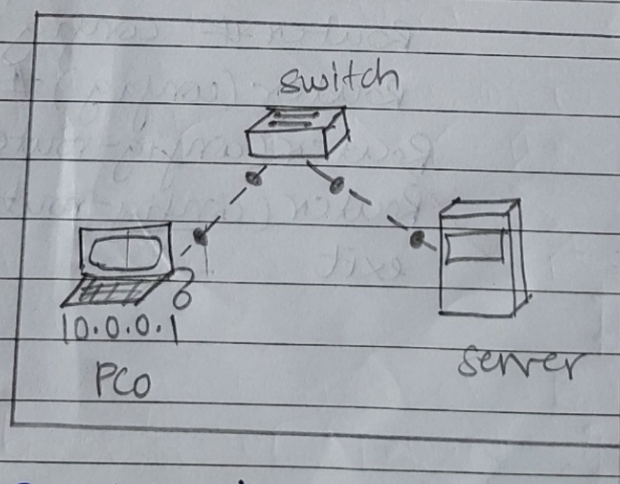## DNS

1) Create a topology (1PC, 1S, 1GSer.)
2) configuration of PC. (IP address, gateway).
   configuration of server (IP address) ⟶ CLI web browser
3) Server →

I. - Procedure -

⟶ Create a topology by placing a PC, a server & a switch on the workspace.

⟶ configure PC & server [IP address + gateway (PC)]

⟶ open web browser of PC to set IP address of server.

⟶ configure DNS of server with name (website name) & URL [IP address]

⟶ Edit index.html to display USN & Name.

- Topology -

switch

10.0.0.1

PCO

server

Output - Prakhyati

(1) — <u>Procedure-</u>

→ create a topology with 2PC, 3 routers
→ configure PC with IP address + gateway
→ configure routers-

     for router 0:

     enable

     config terminal

     interface fastethernet 0/0

     ip address 10.0.0.1 255.0.0.0

     interface serial 2/0

     ip address 10.0.0.2

only where ① present → encapsulation ppp ← all routers

     clock rate 64500

     no shut

     exit

→ configure all routers -

     for router 0:

     Router enable

     Router# show ip route

     Router# config t

     Router (config)# router rip

     Router (config-router)# network 10.0.0.0

     Router (config-router)# network 20.0.0.0

     exit

- output-

In PCO,

⟹   ping   40.0.0.1

pinging   40.0.0.1 with 32 bytes of data!
Request timed out.
Reply from 40.0.0.1: bytes=32 time=2ms TTL=125
Reply from 40.0.0.1! bytes=32 time=2ms TTL=125
Reply from 40.0.0.1! bytes=32 time=2ms TTL=125
ping statistics for 40.0.0.1:
Packets: sent=4, Recieved=3, Lost=1(25% loss)

⟹   ping   40.0.0.1   (for no loss, ping again)

- Topology-

| 20.0.0.1 | 20.0.0.2 | 30.0.0.1 | 30.0.0.2 |
| RO | R1 | R2 | 40.0.0.2 |

10.0.0.2 / RO
PCO
10.0.0.1

PC1
40.0.0.1

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