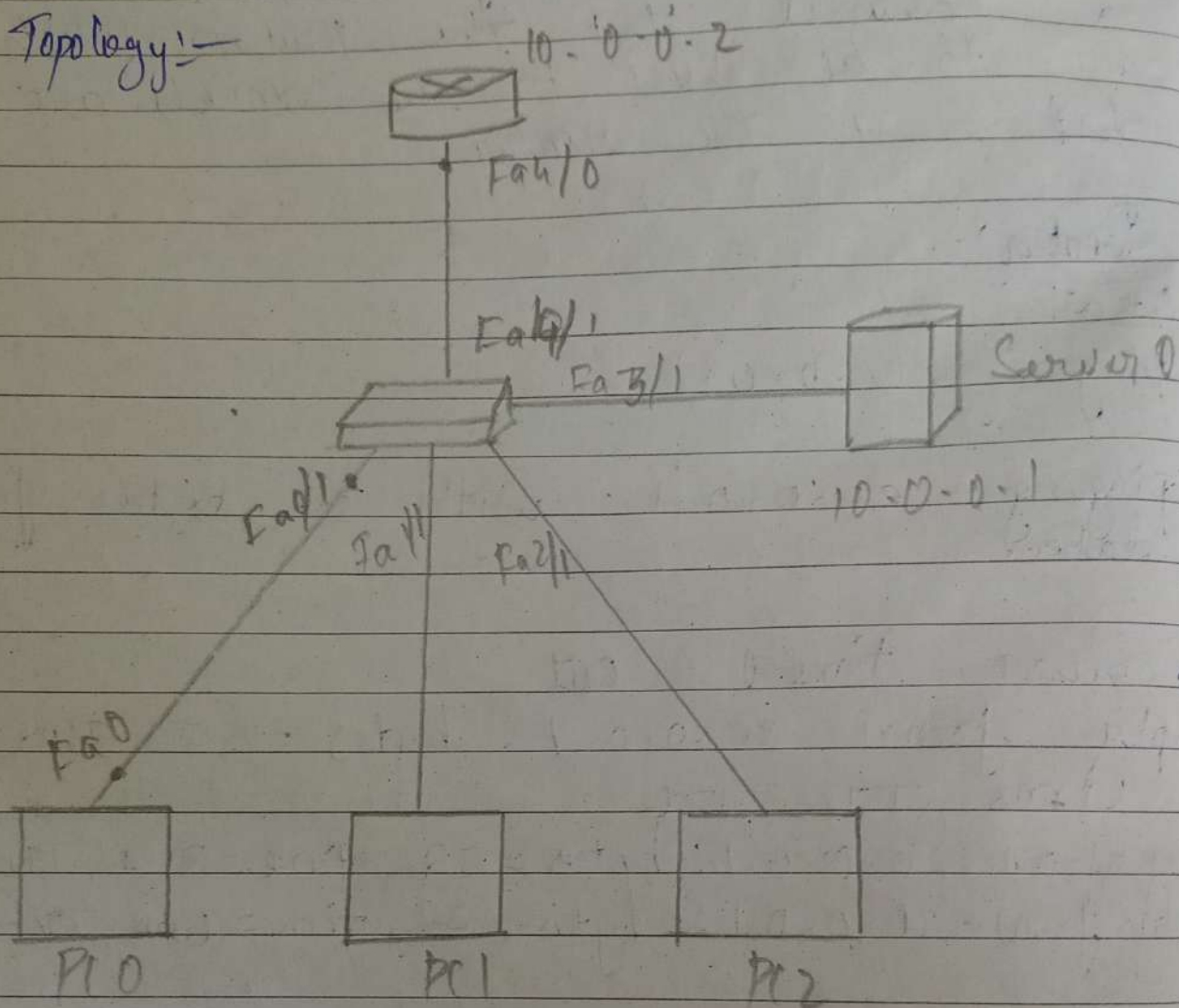


Lab-4

ab-4
AIM :- Configuring DHCP within a LAN
in a packet Tracer.

Topology:-



procedure:-

1. place 3 PC's , 1 Switch , 1 Server , & one Router . Connect all devices & router to switch .
2. set the ip address 10.0.0.1 for server & 10.0.0.2 for gateway .

3. ^{for} the Router 0 do the following CLI commands

→ interface fastethernet 4/0

→ ip address 10.0.0.2 255.0.0.0

4. for the Server, go to Services and enable Service

Set the default gateway 10.0.0.2, DNS Server 10.0.0.1

Static IP : 10 0 0 3

& click Save

5 - for all the PC's go to IP Config & turn on the DHCP

6 - after all the above steps ping for the messages.

Observation:-

Learning outcome:-

→ Server ~~that~~ provides the IP addresses for the PC's

Result:-

ping 10.0.0.5

pinging 10.0.0.5 With 32 bytes of data:

Reply from 10.0.0.5: bytes=32 time=0ms TTL=128

Reply from 10.0.0.5: bytes=32 time=0ms TTL=128

Reply from 10.0.0.5: bytes=32 time=0ms TTL=128

Reply from 10.0.0.5: bytes=32 time=0ms TTL=128