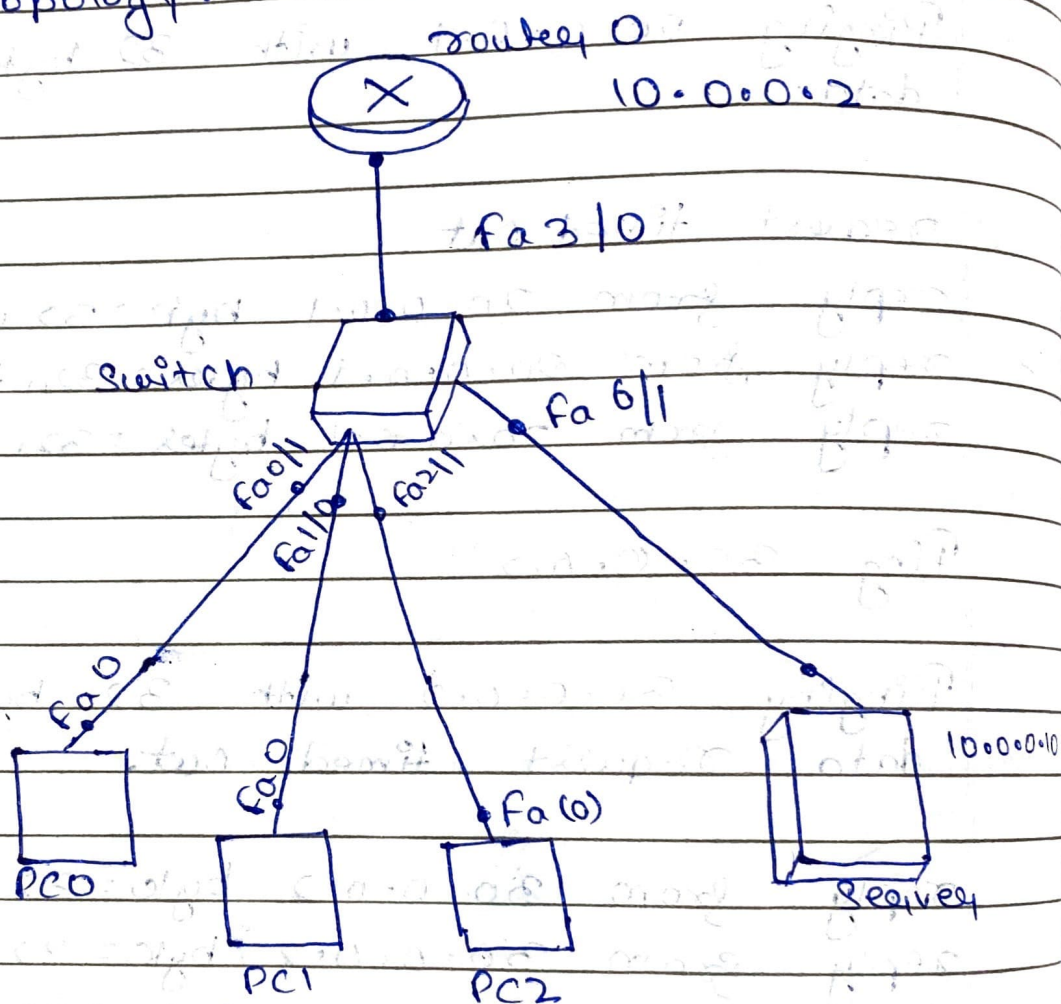


Lab Work-4

Aim:- Configuring DHCP within a LAN in a Packet Tracer

Topology:-



Procedure:-

- * Place 3 PC's, one router, one generic switch, one server, and connect everything with copper straight wire
- * Place ip 10.0.0.2 for router indicating gateway and 10.0.0.1 for server indicating

* Interface the corresponding fastethernet interface fastethernet interface for routing CLI by typing commands.

- Config 1
- interface fastethernet 3/0
- ip address 10.0.0.2 255.0.0.0
- NO Shut

* Now Config Server by clicking Service tab in Server

- Set default gateway
- Set DNS Server
- Set Starting ip address as 10.0.0.3

* Observation

Learning outcome :-

- Clicking on IP Configuration on and selecting DHCP mode automatically fetches.

ip address, gateway from Server for which we had configured already

Result :-

Ping 10.0.0.4

Ping 10.0.0.5 with 32 bytes of data.

Reply from 10.0.0.5 bytes = 32
time = 4ms

Reply from 10.0.0.5 : 5 bytes = 32
time = 4ms

Reply from 10.0.0.5 bytes = 32, time = 4ms

Ping Statistics for 10.0.0.5
Packets Sent = 4, received = 4
lost = 0

29/12/22

MS