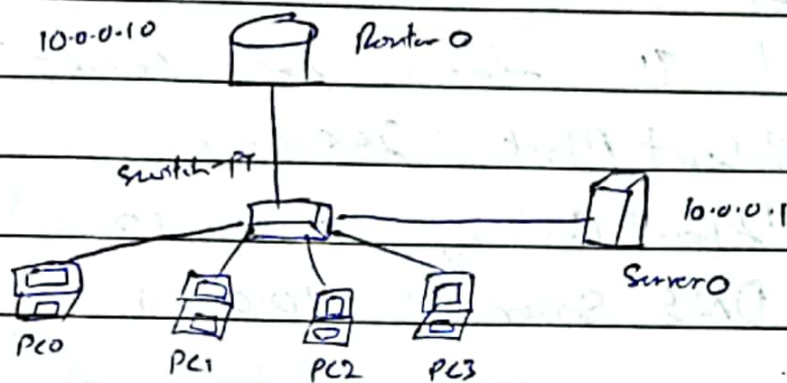


LAB-4 (b)

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Qab) Configuring DHCP within a LAN packet Tracer.

* Topology -



* Procedure -

- i) Connect PC₀, PC₁, PC₂, PC₃ to the switch using Copper - Straight through.
- ii) Connect the Server to the switch.
- iii) Connect the Router0 to the switch.

* Configuration:

- i) Set the normal default gateway for the router as 10.0.0.10 using CLI.
- ii) Don't set any IP address for PC's.
- iii) Set IP address for server as 10.0.0.1
Subnet Mask : 255.0.0.0
Default Gateway : 10.0.0.10
DNS Server : 10.0.0.1
- iv) Click on server in the router and enter the DHCP config and set the service on:
Default Gateway : 10.0.0.10
DNS Server : 10.0.0.1
Start IP address : 10.0.0.11
Subnet Mask : 255.0.0.0
Maximum Users : 100
TFTP Server : 10.0.0.1

Save this Configuration.

- v) Go to PC0, select Desktop \rightarrow IP configuration
Select DHCP instead of Static. The server
will then allot an ip address for PC0.
- vi) Do this for all the PCs.

* Observation:

Open doing all the steps properly.

We can see that all the PCs are allotted
different IP addresses starting from 10.0.0.11
which will be allotted by the Server
for specified 100 users.