8) Configuring DHCP within a LAN in a packet trace

DHCP uses UDP as transport-layer protocol
IP - 10.0.0.1
   The Url makes server as DHCP server, so that
all end-devices dynamically get IP address

In the interface give default gateways as 10.0.0.1

Configure router:
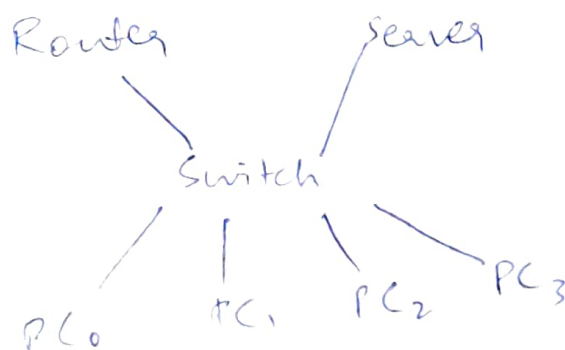
   In fastEthernet 0
      IP address is 10.0.0.2
   server is ready for configuration

Services → DHCP-SON → assign default
   DNS server,
      start & end range,

   PC → Desktop → IP config → DHCP

NOR:- Every IP is unique in PCs

Topology
___

          Router   Server

                 Switch
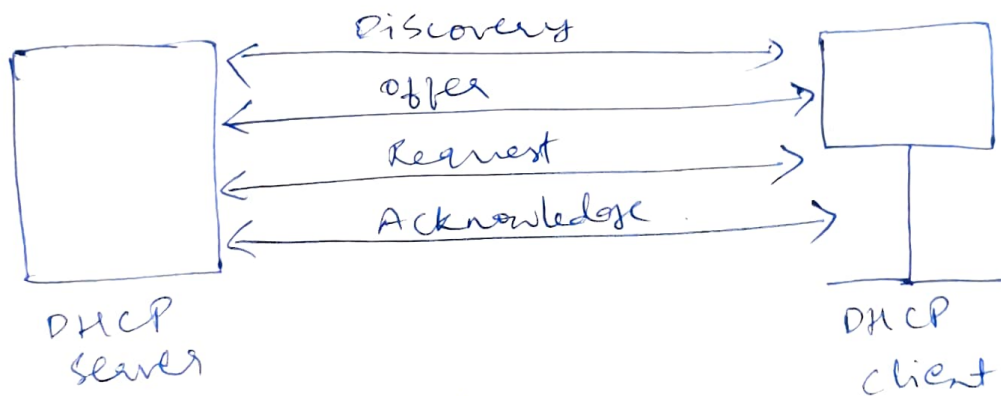
              / | \   \
            PC0 PC1 PC2 PC3

learning outcomes

* Knowledge to make a DHCP server.
* How to dynamically assign IP-address to end devices.

DHCP:- DORA process stands for the following message flows b/w the client & server.

   D — Discovery
   O — Offer
   R — Request
   A — Acknowledge

DHCP Server   DHCP client

Message flow b/w DHCP client & the server.