

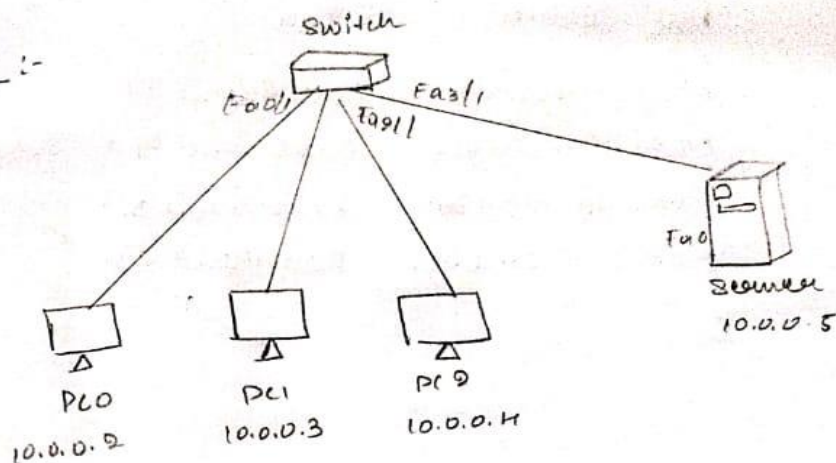
PROGRAM9: To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)

OBSERVATION:

Q] To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)

dem :- To understand concept of ARP

Topology :-



Procedure :-

- * Create a topology of 3 PC's and a Server
- * assign IP addresses to the PC's and a server
- * connect them to a switch
- * click on inspect tab and then click on PC0 to see the inspect tab. ARP table.
- * Command run in CLI is arp -a
- * Initially ARP table is empty.
- * In the CLI of switch write the command: show mac address table
- * select a simple PDU and click on source and destination PC. To see and click on Capture to observe the transfer of the PDU.

Observation:

Observed that switch os reload makes updates the ARP table as and when new communication starts.

VLAN	Mac Address	Port
1	0001.6420.CCM	Ethernet 1/1
9	0021.9938.C650	Ethernet 2/1
1	0002.4A16393A	Ethernet 3/1
1	000C.C704.CD5C	Ethernet 0/1

TOPOLOGY:

