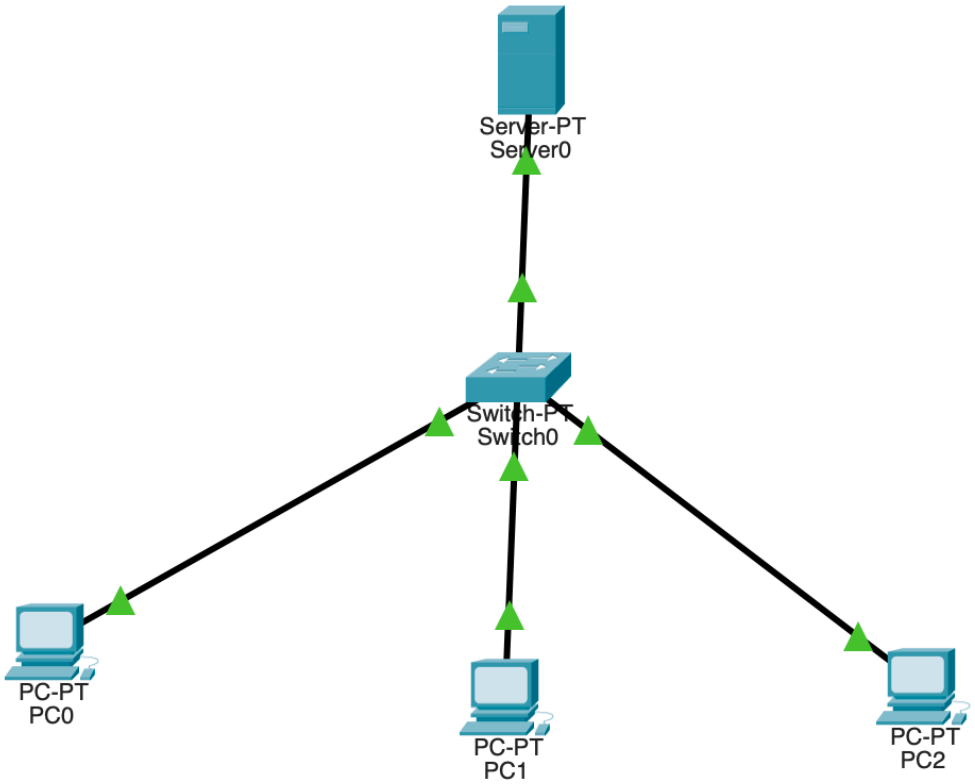
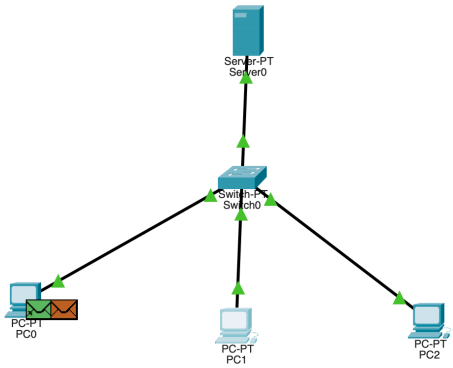
Experiment 10

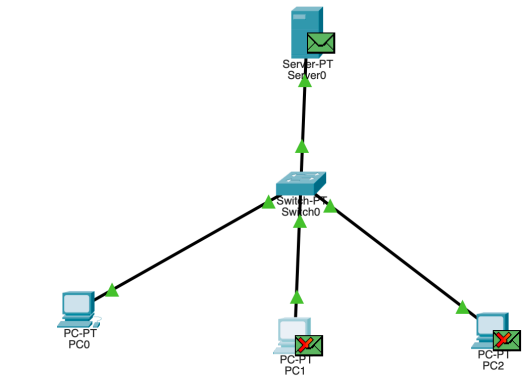
Aim: To demonstrate the working of address resolution protocol (ARP) for communication within LAN

Topology:

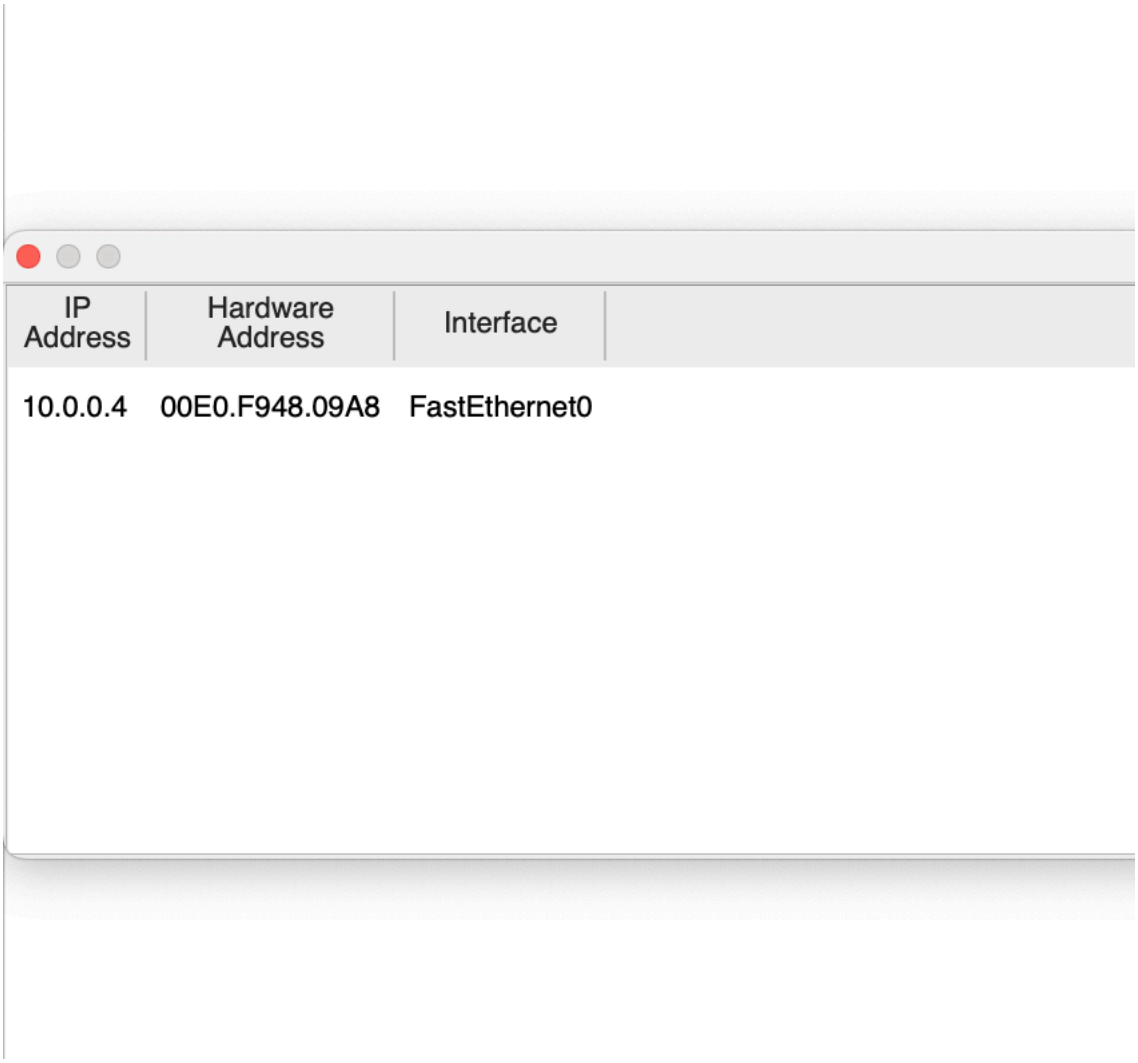


Simulation:





ARP table of PC 0:



IP Address	Hardware Address	Interface
10.0.0.4	00E0.F948.09A8	FastEthernet0

Observation:

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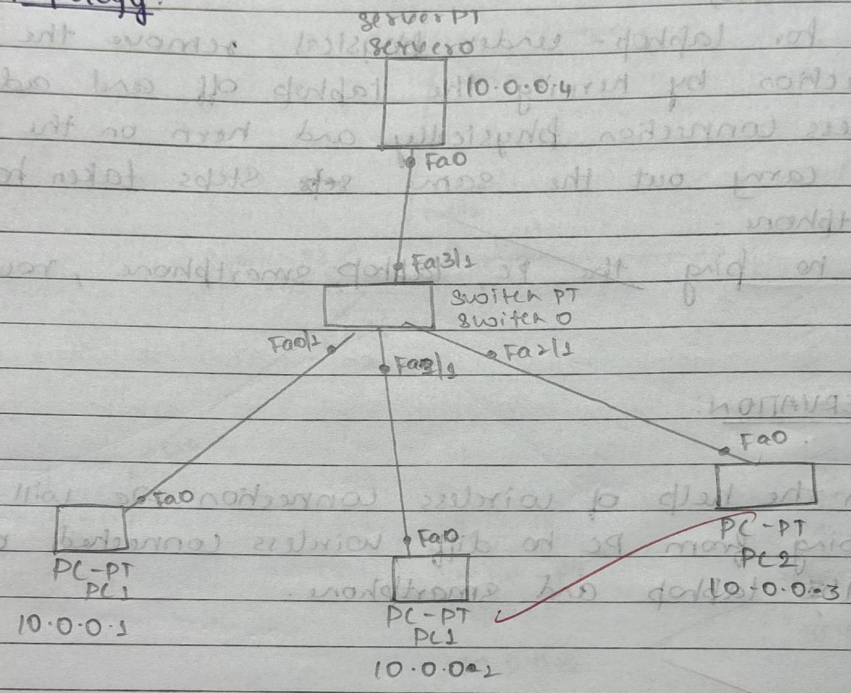
Experiment - 10

Aim: To demonstrate the working of address resolution protocol (ARP) for communication within a LAN

Topology:



Configuration:

(i) Take 3 generic pc's and one generic server and one generic switch.

(ii) Set the IP address as 10.0.0.1, 10.0.0.2, 10.0.0.3, 10.0.0.4 respectively.

(iii) Give Simple Pdu from PC0 to server PT and PC1, PC2

(iv) Check the arp table.

Observation:

APP table for server 0

IP address	Hardware address	Interface
10.0.0.1	0001.C9A3.3390	FastEthernet0
10.0.0.2	0010.11A0.EA77	FastEthernet0

ARP for PC0

IP address	Hardware address	Interface
10.0.0.2	0010.11A0.EA77	FastEthernet0
10.0.0.4	00D0.D390.44C7	FastEthernet0

ARP table for PC1.

IP address	Hardware address	Interface
10.0.0.1	0001.C9A3.3390	FastEthernet0
10.0.0.4	00D0.D390.44C7	FastEthernet0

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