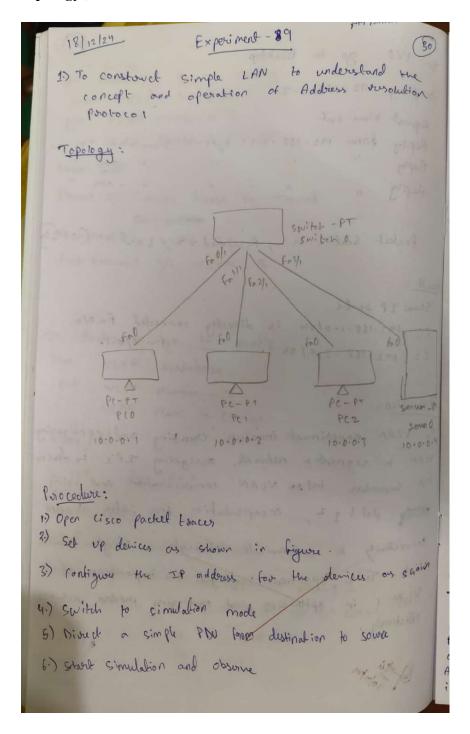
Program 10

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

Topology, **Procedure and Observation:**



Plick or search in the oright side box click on PCO then click ARP Table. Now in PCI Go to Desictop Then command perompt PC> app -a NO ARP Entries found. Make the ARP Table food all the PCS, PC> NOW Somer and switch. Now in simulation Add simple PDU (p) in PCI then posess capture/foomard check the movement. In switch OCIT Switch > show mac address - table MAC Address Type Ports
0001.4245:6008 Bynamic For 3/1 VLAN 0001.43ee.20d3 Dynamic fa2/1 0002.4035.d3c2 Dynamic fa1/1 0000. d35b. 384b Dynamic Fa 0/1 Initially ARP tubles empty After cimulation begins the ARP Tables of course one destination changes Observation: Initially the ARP tables of all the devices are empty because As communication has occurred and no Mac-IP mapping is cached. When one device aftempts to communicate with another, it sends an ARP orignest to determine the MAC address corresponding to the IPaddry of the targeted device, can The targeted duice responds with ARP suply, updating ARP tables on both ends. The switch build in MAC address table by mapping MAC address to parts based on receiving forme.

Screen Shots:

