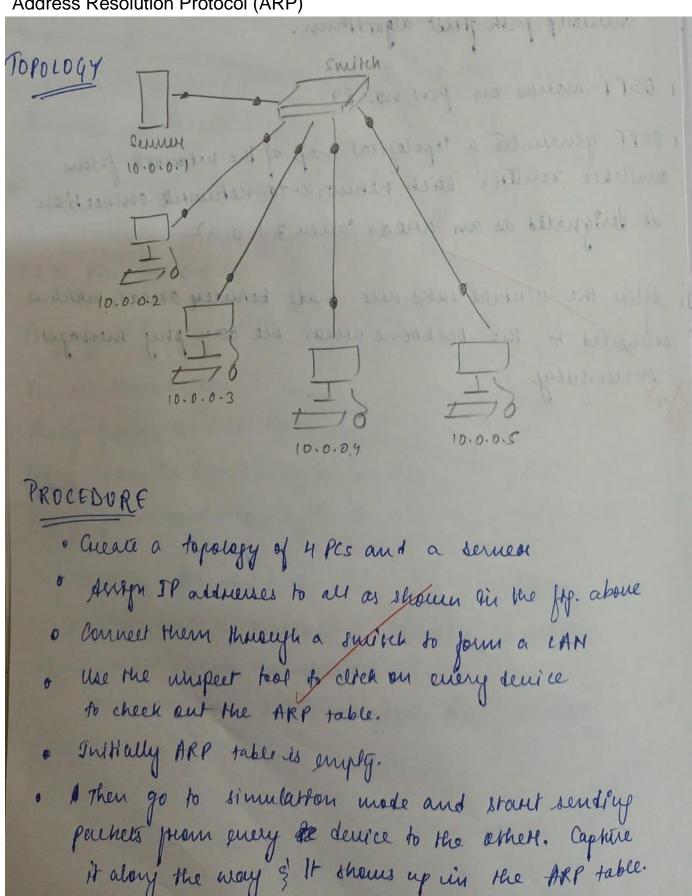
Experiment 9

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



o Go to CIT of any device and give commands to check that devices ARP table

> arp -a

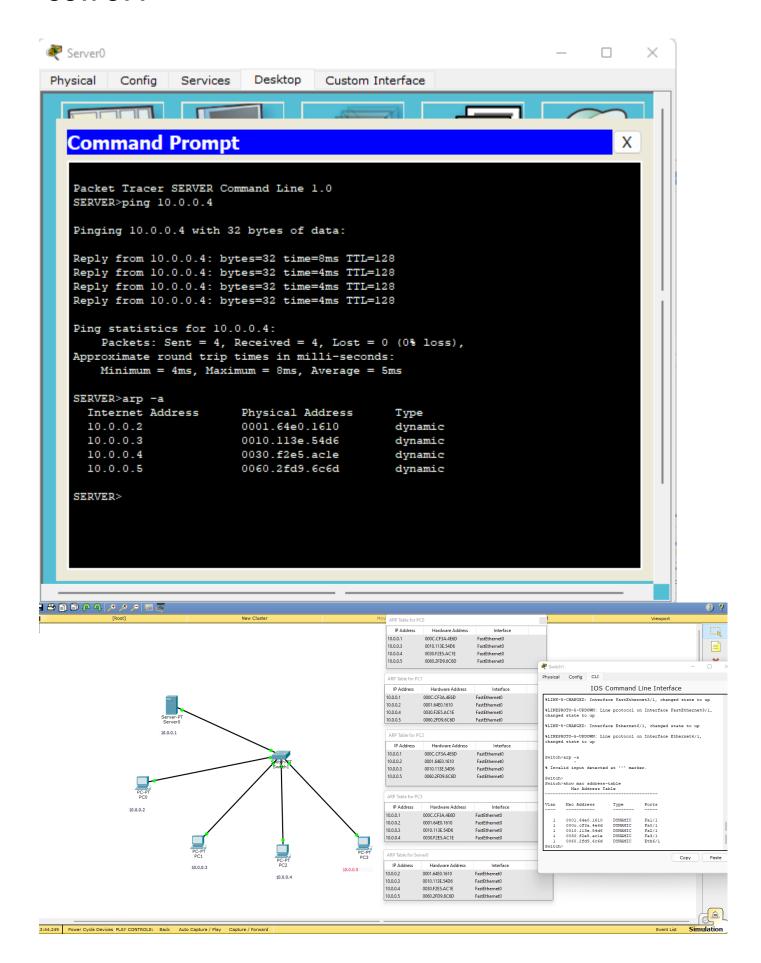
o go to the swinks C17 and use the command,

> show mac address-table

to see the address table of the entire CAN network.

MARC address of a host from ill human st address

OUTPUT:



OBSERVATION:

that deviced wife table OBSERVATION oue observe that everytime me & capture a pluj, the capture The ARP table of the cornesponding deures get updated. (data link) · ARP finds the handmane address, also known as MAC address of a host promy ills known It address · So after the experiment, we can see that the & mac address table of saith contains all the MAC addresses of the textrees in the LAN, were they which was found out through ARP protocol & through to IP address. 0001.0400.1510 0010:1130 5436