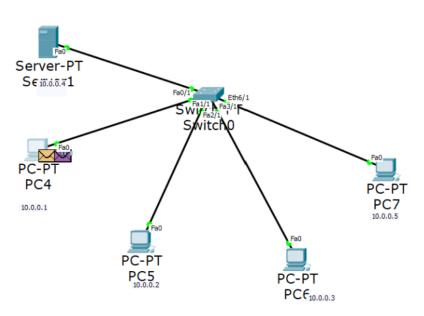
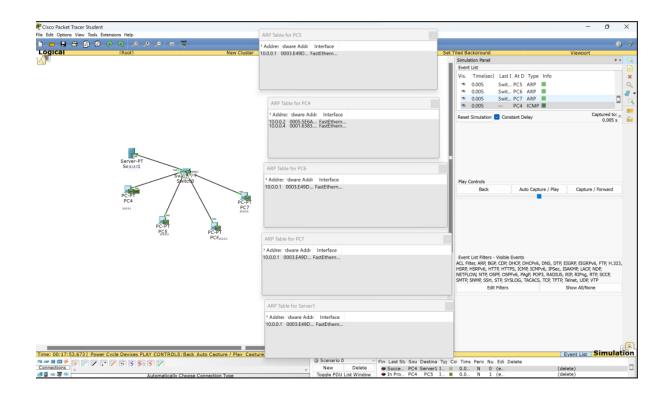
Experiment - 8

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

Topology:





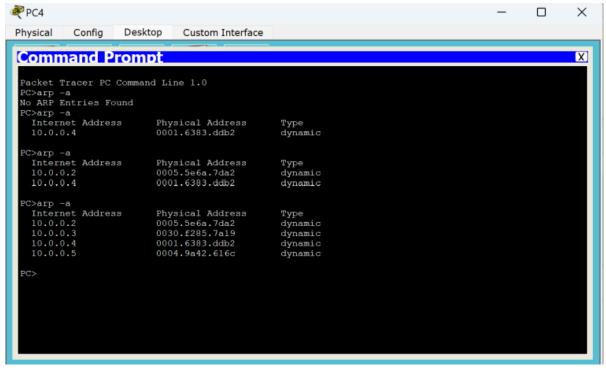
Physical Config CLI

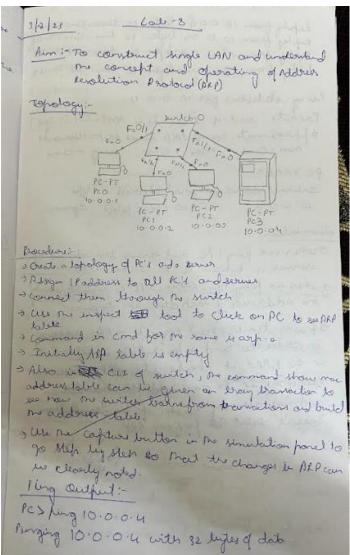
IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to
%LINK-5-CHANGED: Interface FastEthernet1/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to
%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to
%LINK-5-CHANGED: Interface FastEthernet3/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet3/1, changed state to
%LINK-5-CHANGED: Interface Ethernet6/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet6/1, changed state to up
Switch(config) #show mac address-table
% Invalid input detected at '^' marker.
Switch (config) #exit
Switch#show mac address-table
         Mac Address Table
Vlan
       Mac Address
                         Type
                                     Ports
       0001.6383.ddb2
                         DYNAMIC
                                      Fa0/1
  1
       0003.e49d.b2d9
                         DYNAMIC
                                      Fa1/1
       0004.9a42.616c
                         DYNAMIC
                                     Eth6/1
  1
   1
       0005.5e6a.7da2
                         DYNAMIC
                                      Fa2/1
       0030.f285.7a19
  1
                       DYNAMIC
                                     Fa3/1
Switch#
```

Сору

Paste





Reptly from 10.004; lugles=32 time= One The 12 Reptly from 10.004 bytes=32 time= One The 12 Reptly from 10.004 bytes= 32 time= One The 12 Reptly from 10.000 to Bytes= St. time= One The 12 Reptly from 10.000 to 4 bytes= 32 time= One The 12 lung statistics for 10.00 li. Packets sent :4 Received : 4 lost = 0 (0x log 4 prosunate good teep sines in millimode min : Omd mon = Oms any = Ome pasanta Internet address physical Address Type 0060.2/00 324d dyrana olismation -I when we fing I be and serves the address of serves is below to pe & the were I when we fing life other 2 PC's smultirecounty one addresses of each other are known > Frey time about request - MC address in order to send a packet to another hat in the LAN, it checks its ARP course to see if the It do now address tourstation address already exists. If he learlator docunt suit it perform ARP.