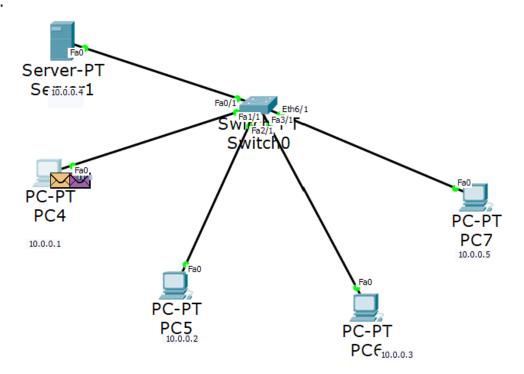
- - 1 0

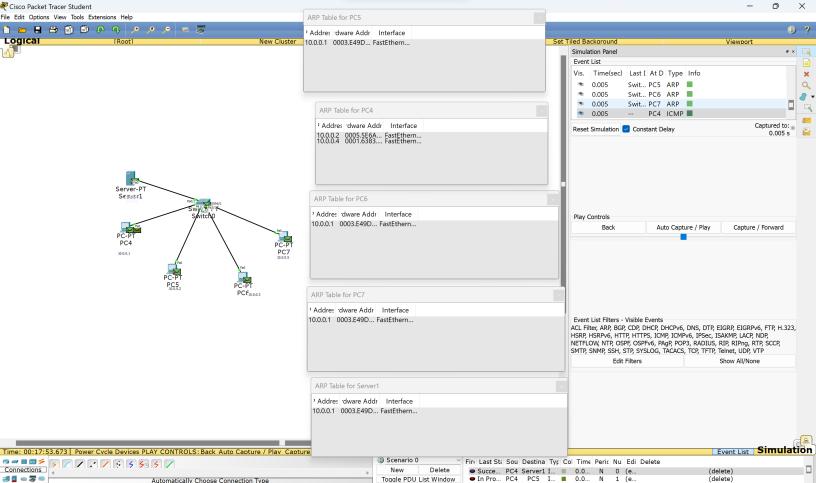
Experiment - 8

Aim:To construct simple LAN and understand the concept

and operation of Address Resolution Protocol (ARP)

Topology:





Physical

Config CLI

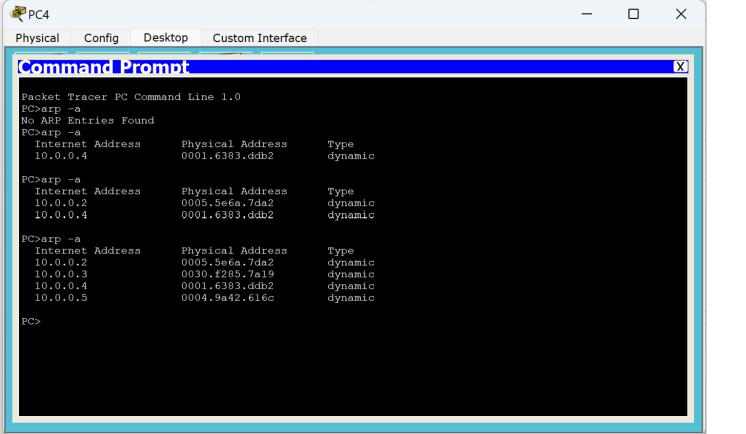
-LI

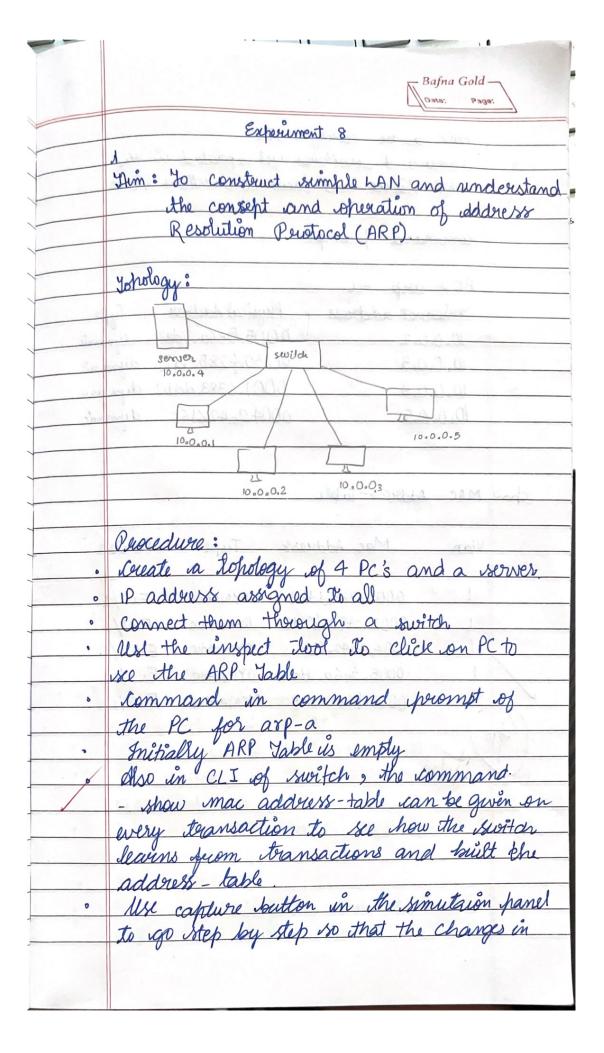
IOS Command Line Interface

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up %LINK-5-CHANGED: Interface FastEthernet1/1, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up %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 up %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 0001.6383.ddb2 1 DYNAMIC Fa0/1 1 0003.e49d.b2d9 Fa1/1 DYNAMIC 1 0004.9a42.616c DYNAMIC Eth6/1 0005.5e6a.7da2 1 DYNAMIC Fa2/1 0030.f285.7a19 DYNAMIC Fa3/1 Switch#

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	10		
brotarsk	ARP can be cherly noted Nodes and switches get updated in the ARP table and new connections start.		
	PC> arp -a	2400	w/au
	Internet address	Physical Address	Type
	10.0.0.2	0005.5e6a.7da2 0030.f285.7a19	dynamic
4 page 1	10.0.0.4	0001.6383.dab2	dynamic
	10.0.0.5	0004.9a426160	dynamic
Show	MAC Address-Table		
	Vlan Mac Add	ess Type	Ports
£91/10/2		The on Topolones .	· Luci
	0001.6383.da	162 DYNAMIC	Fa0/1
	1 0003. e490.6	1	Fal/I
OT,	0004.9042.61	Control of the second	
	1 0005.5e6a.		a 2/1
	0030:1233:1	alg DYNAMICON F	a3/1
(di		Charles AR Jable	13/1
	W/8/23	in CII she see	1/80
in su	18 - 40h 22 14dd - 83	now mac address	la
or to the same	to the show the is	a marketien	NO
· Plu	sations and told	bu dem tan	4016
		trust table	ade
hanel	in the sometime	capture deutter	111/
121	on that the chain	go Step by Sip	10