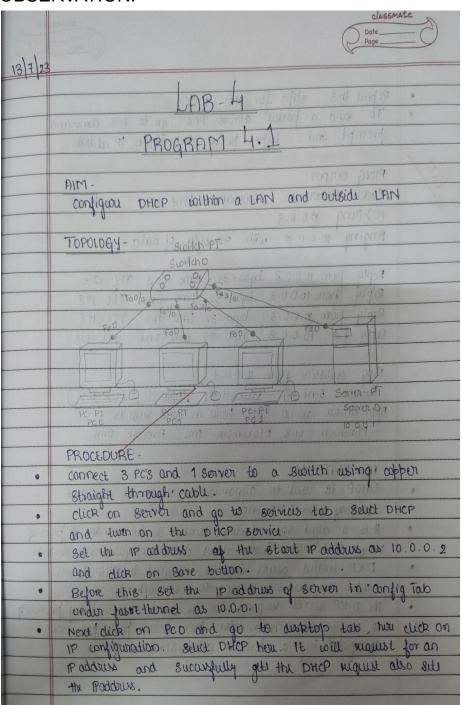
WEEK 4

Configure DHCP within a LAN and outside LAN.

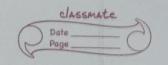
OBSERVATION:



	Classmate
	Date Page
	Repeat this steps for other 2 Pc's. To send a packet across Pc's, go to Pc's Command prompt and type ping distination IP address.
	To send a backet across PC's, go to PC's command
	prompt and type ping distination is acrows.
~ 1	
9/	PING OUTPUT:
7	Packet trawn pc command line 101 happin
	PC>Ping 10.0.0.3
	Pinging 10.0.0.3 with 32 bytes of data: 10000101
	Sally I a so a 2: butty 20 time and TI = 128
	Reply from 10.0.0.8: byth=32 time=0ms TTL=128 Reply from 10.0.0.3: byth=32 time=0ms TTL=128
	Reply from 10.0.0.3: bytes=32 time=1ms TTL=128
	Riply from 10.0.0.3: bytu=32 time=0ms TTL=128
	Ping statistics from 10.0.0.3!
	Packets: sent = 4, Received = 4, lost =0, (0% loss)
	Approximate round trip times in milli-seconds!
	Minimum = ons, Maximum = tms, Axerage = oms.
	180000018F
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931	THEP is used to dynamically assign an IP address
0	to any divid or node.
0.0	It is a client-sorver protocol in which servers manage a pool of unique is address a 3 also about client configuration parameters.
•	DHCP - erabled clients sends a suguest to DMCP sower
to Tall	with they will the inner to a retinate
•	The prior suspones to the discolumnate it is
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	a macour auministrator
10	transpire tour till the ritingermas ban assisted to
11	

	classmate
13/1/23	Page C
44-	
	Process 19
	PROGRAM 4.2
	AIM- 000 320 AV MANO AMARIA A BAGA
	CIMI CONTROL CONTROL
	TOPOLOGY - Route -PT First State
	1507/10
	10.0.0.20 Rooter 0 20.0.0.20 Rooter 0 20.0.0.20
	Ta 4/3 104/10
	F00/1
	1 2// m31 19 0 11/10
	The minimum mileting of the
	Facil Scotto Fall Fall Fall
	Fab Fab Fab DI Fab
1	Sovor-et S
- PC-P	T PC-PT PC-PT SERVER OF PC-PT PC-PT
PCC	If at print poi contains in 10.9.9.2 as the other world of
	duly this position and sulling thing which
	PROCEDURE - REPLACED AND ADDRESS HAS BEEN AND THE PROCEDURE - REPLACED AND ADDRESS HAS BEEN ADDRESS AND ADDRESS AN
0	Add a Router, a swortch and 2 Pc's to 4.1 program o
	Network of connect the router to both switches.
•	Set the server IP address of sorver and with the help of sorver
	But the first 3 Pc's ip address through DHCP.
•	Now Set the Router IP address with the following commands
	statically.
	Step 1: No 0.1 sous is assumed at road side of
	8 tip 2: Enable Source and Con
	8th 3: config T and as about a some property
	Stop 4: Interface fast Ethernet 4/0
	8th 5: 16 addres 10.0.0.20 255.0.0.0

Y	Page Page
8	Stup6: No shut
	ably Exit
	84 9: 10 dddur 20.0.0.20 255.0.0.0
	8th 9: 10 dddrus 20.0.0.20
	State 1. IND Shot
- (Supit: 6xet
	8th 12: Exit
	8th 18 8how 1270000 as 10.0.0.20
	go to server and but the gate way as 10.0.0.20 Again go to router and follow these commands Sto 14: Config T Short is retained fostethernet %
	Hagin go to rooter cer of
	Sto 15: Interface fast Ethernet %
	8th 16! ip helper-address 10.0.0.1
	Sup 16, ip the port
	8th 17! No shut 8th 18: Exit
	Many anto survey survius and add one more Poolname
_	as server proof 1 start is address as 20.0.0.2 and against
_	gativay as 20.0.0.20. Thin etick add & sare.
	Claim but the other tree PC'S IP address by going to this
_	Desktop -> 12 configuration and selecting DHCP which will automatically generate its 12 address.
	will automatically generate its IP address. 1849,0083
-	Now the network is complete and can send parts
<u></u>	from any Pc to other by typing Ping distinction is
10.698 [0	address in their suspective command prompts.
	. Six a deproved which of 3'51 8 1801. The Uz.
- 8000m	an paintalled sai alian sensebe que ration and by well .
	PING OUTPUT: planifold
	Packet trader pc command line 1.0
	Pc > Ping 20.0.0.2
	Pinging 20.0.0.2 with 82 bytes of data.
	OF Production policies of the
	Request timed out.



Reply	krom	20.0.0.2	: bytes	2	32	time = oms	TTL = 127
Riply	from	20.0.0.2	! bytes	ے	32		TTL = 127
Raphy	from	20.0.0.2	: bytes	e e	32	time-oms	TTL= 127

Ping statistics for 20.0.0.2:

Packets sent-4, Received-3, lost-1 (25% loss).

Approximate round trip times in milli-seconds:

Minimum = 0 ms, Maximum - 0 ms, Average = 0 ms.

OBSERVATION:

DHCP is used to assign ip addresses dynamically to different devices.

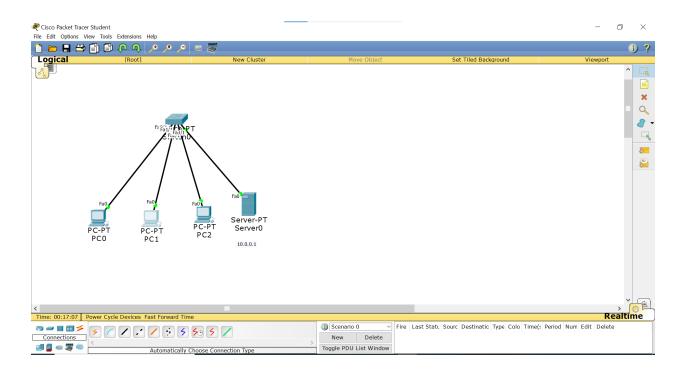
To assign continous IP address use create a sorver pool where we assign the starting IP address and a default gaturary number. For PC's under different switches use create a different sorver pool again and start.

This takes care of delivering the packets to correct destination is address and also sends back the ACK to the initial desire.

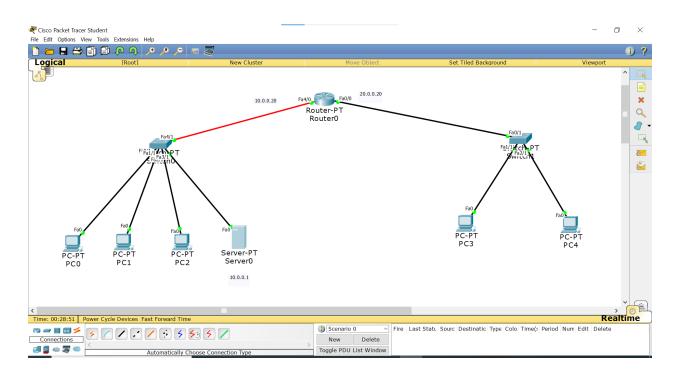
18/1/23

TOPOLOGY:

PROGRAM 4.1:

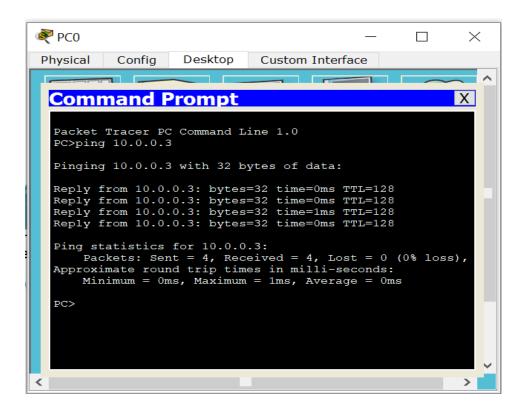


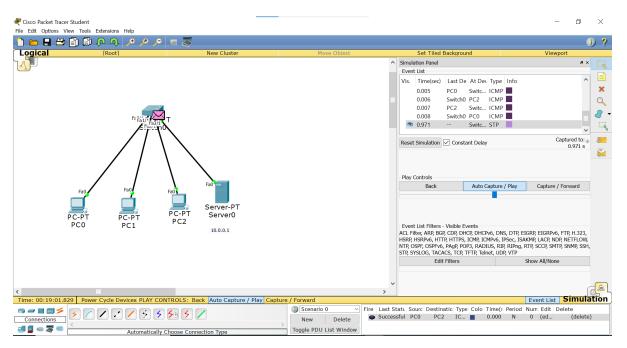
PROGRAM 4.2:



OUTPUT:

PROGRAM 4.1:





PROGRAM 4.2:

