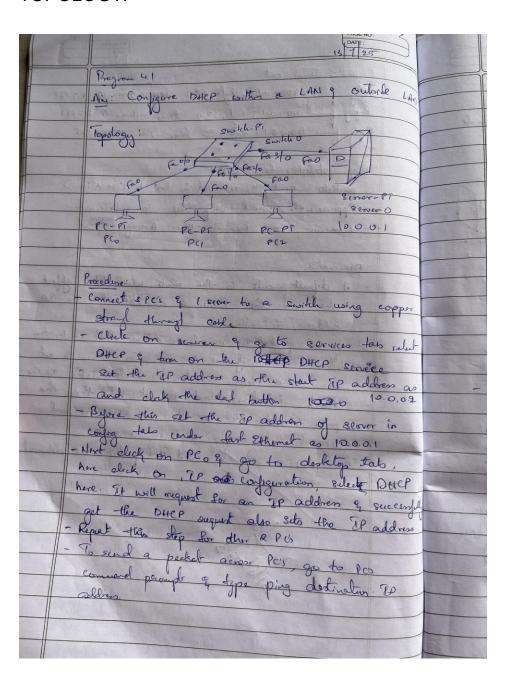
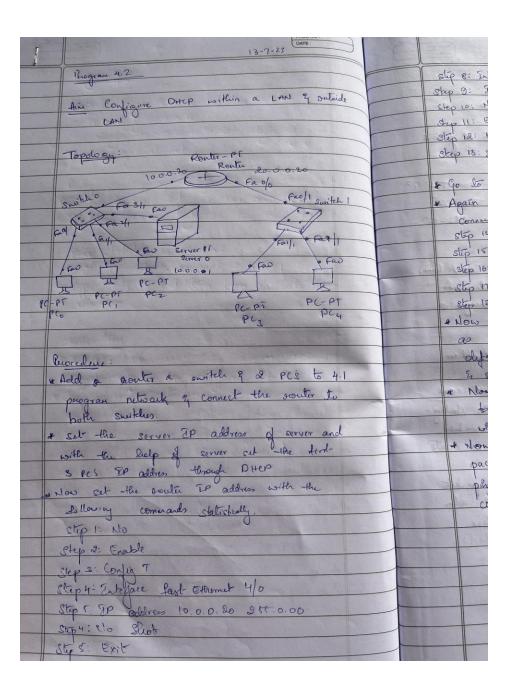
LAB 4

Configure DHCP within a LAN and outside LAN.

OBSERVATION: TOPOLOGY:



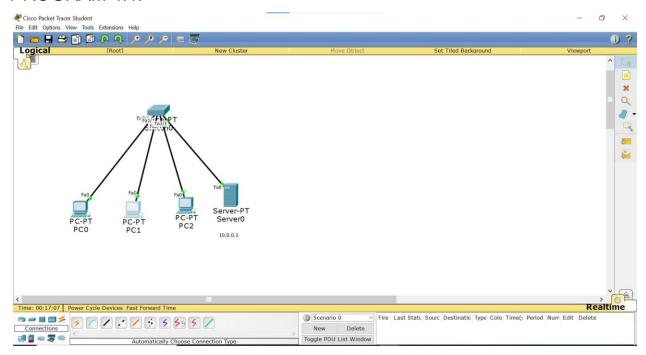
	PAGE NO: DATE:
orde LAN	Ping output: Packet freez PC commend (me 10) PC > Ping 10.0.0, 3
	Packet facer PC command (m. 10)
	PC > Ping 10.0.0.3 Pringing 10.0.0.3 with 39 5 6 0 0 11
	Pinging 10.0.0.3 wife 39 100
	Significant data.
05	Reply from 10002 10
0	Regly from 10.0.0.3 bytes 32 time = 0 ms TIL=128 Right from 10.0.0.3 bytes 232 time = 0 ms TIL=128 Right from 10.0.0.3 bytes = 32 time = 1 ms TIL=128 Right from 10.0.0.1 bytes=32 time = 0 ms TIL=1280
	Key from 10.0.3.2 Gets = 324
	Peoply Ren 1000.3; by 6 = 32 time: OMS T2L= 1250
	Ping statistics from 10.00.2
	mines sent of
opper	Approximate ground for to
	Minimum 2 OMS
solut	Approximate around trip times 30 miliocens 1 Minimum 2 0 ms Maximum = 1 ms Average = 0 ms
	Observation
0,09	CANA CORNE CANAL
0,09	to any device or node.
in	any device or node.
	It is a dient some protocol in which somes.
	wanage a pool of unique TP addresses & also be about
100	cause Configuration parameters.
Her -	DHEP - enabled cleans and a agreet to DHEP
centily	scover when they went to connect to a networks
ress	The one sover susponds to the claims greguest by
	according to the to the for adding
	pools, previously specified by a network administration.
	pools, previously specified day " network administration.
	a now that
	A Secret Man And S Peter
	and the state of t
	7/8
	3"
	CONTRACTOR OF THE PROPERTY OF



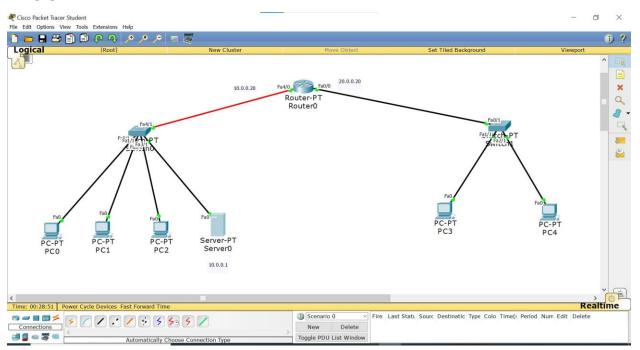
~~~	
PAGE NO: DATE:	PAGE NO: DATE:
	stip 8: Interface last Ethernet do
& outside	shp 9: IP address 20.0.0.20 2550.00
4 smard	step 10: No shot
	Step 11: Exit 2000 1923
	Sto 12: Exit
	step 18: show IP address events.
	+ Go to server & set the gaternay on 10.0.0.20
11 Switch 1	* Go to server & set the gatering as 10.0.0.20  * Again go to scouler CLI & follow these
7	Connands
591	stop 14: Config T
Fath	Stip 15: interface fast Ethernet 00
Fau	Step 16: SP lulper-address 10.0, 0.1
Fau	
CPT	Step 11. Ex.t.
PC4	+ Now go to server services & add one more pooling
	as sover pod 1, start IP address as 20.0.0.2 g
	as source pool , sind of against the click add
L 11	defabilt galaway as 20.0.0.20. Then click add
to 4.1	It Now get the other 2 pis if address by going
to	
	to Resktop -> TP config = q select OHCP which
and	autoralically general is it adorts,
nt-	+ Now the network is complete if can send
	packets from any PC to other by typing
	pina distination of address in their grapeline
	command prompts
	and land of the the find land
	27
	4 for
	3

DATE:		
The state of the s		
Ping output:		
21 & freeze PC command line 1,0	Did ST	DNS
Printed 47th 70 3000 2	9	Aim
PC > Ping 20.0.0.2  Pinging 30.0.0.2 with 32 bytes aft of data		Por
Reguest trained out	State	4
	2/1/5	
Roly from 20.0.0.2 lefts = 32 lemas - omo TIL=129 Reply from 20.0.0.2 legts = 32 time-om TIL=122		30 30
Reply Jam 30.00.2 leyta = 32 time-Om TIL-15:1		
Riph from 20.0.0.2 Souts = 32 time - ones 7 IL = 127.		
Ping stalistics for 2000.0.2		
		0
Packets sent = 4, Received = 3 (Lot = 1 (25/ Low)		1
Approximate round trup from in miliscents		9
minimum = om maximum = om Averge = om		0,
omerusting: 1 of the state of t		a.
* DHY is used to assign De siddress		1
dynamically to different derices		ű
dynamically to different dervices.		
a server pool idiere une assign the starting SP address & a default gateway number		
SP addres & a default gateway number		
I I I I I I I I I I I I I I I I I I I		
a different signer word again a al		
The tasks are of delivering the		1
to comet destination or address & also		
send back the palat into original device		
my dwice		
	10000	

## PROGRAM 4.1:

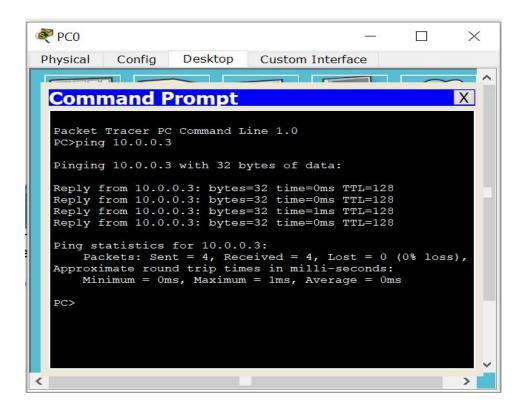


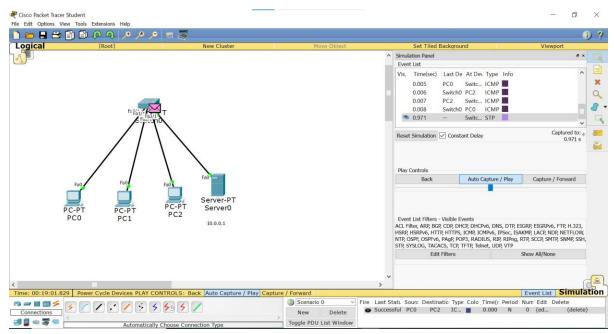
#### PROGRAM 4.2:



## **OUTPUT**:

# PROGRAM 4.1:





PROGRAM 4.2:



```
Command Prompt

Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Request timed out.
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms 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 = 0ms, Maximum = 0ms, Average = 0ms

PC>ping 20.0.0.3

Pinging 20.0.0.3 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.3: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.3:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

