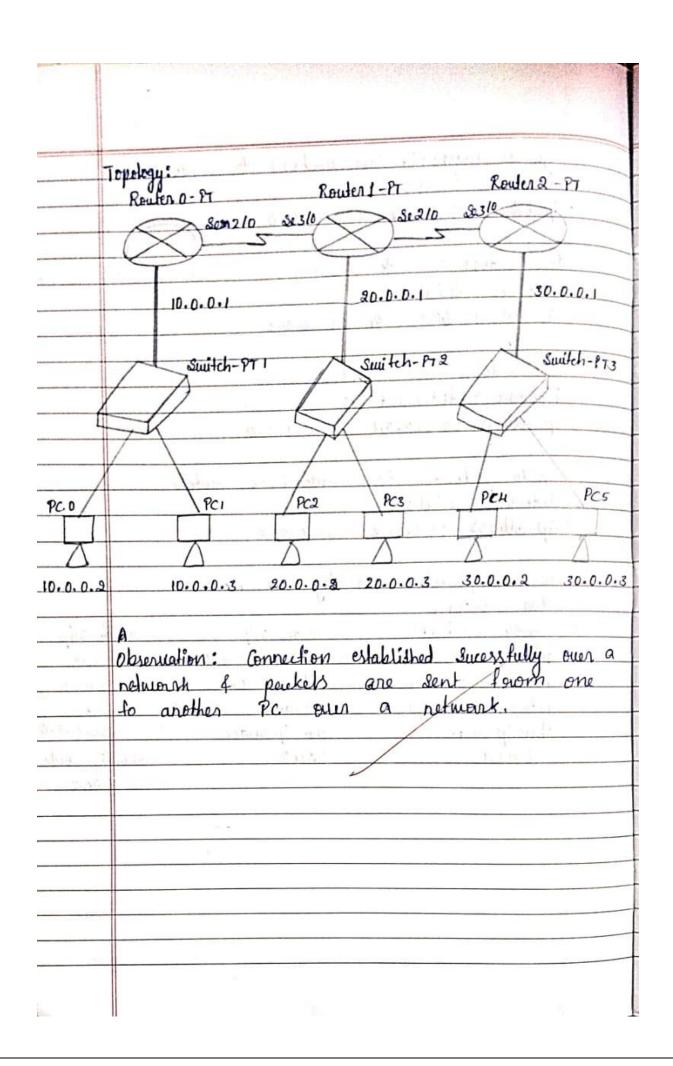
$LAB-6 \label{eq:LAB-6}$ AIM: Configure routing information protocol in Router and TTL.

LAB-06				
	AIM: Configure growing information protocol in Reuter			
	A second			
17.4	Pooredure:			
	select the 3 Routers of drag on the Screen, then			
14-745	Select 3 Switches 4 drag on the Screen then Conne			
	the some end douices to that Switches every copper			
20 >	Straight through able.			
35	Then Connect all the suitches to 3 different			
	nowlers wing Copper-straight - thorough able & also			
	Connect the growler to greater eving Serial ACE Cable			
	Router to Router -> Serial Connection.			
	Switch to Router -s Fast Etherent Connection.			
3)_	Next set the IP address to all the end devices with			
	goleway.			
45	PC0 → 10.0.0.2 PC1 → 10.0.0.3			
	PC2 → 20.0.0.2 PC3 → 20.0.0.3			
	PC4 → 30.0.0.2 PC5 → 30.0.0.3			
4)	Go to growter o, To establish the Connection between Switch			
	04 grouter follow these commands.			
(د	enable			
2)	Config Icrninal			
3)	interface Fast Ethernet 00			
4)	ip address 10.0.0.1 255.0.0.0			
5)_	no Shut			
6)	evrit.			
	To establish the connection between growters to growters			
0	enable 5 no Shell			
,	Config terminal 5) no Shut			
11	interface Serial 210 6) exist			
	ip adolness 40.0.0.1 255.0.00			

Bafna Gold -		50.05
Date: Page:	Bafna	Gold -
	Date:	Page:

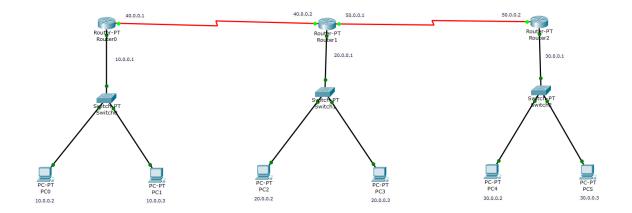
		Bafna (and the same of th		
5)	Go to renter, For quenter, 1 to render 0.				
	ip address 40.0.0.2 9	55.0.0.0			
	For grouder 1 -10 grouder 2				
	interface Social 310.				
	ip adobress 50.0.0.0. 255.0.0.0				
, L	For nowles 1 to Switch 1				
	intentace Fartethernet o				
	ip address 20.0.0.0.1	255.0.0.0.	Ha		
6)	Go to newton 2, Forn	Rower 2 to guiler/			
_	interface social 3/0	1.0	1.0		
	ip address 50.0.0.2 255.0.0.0				
.07	To Send packet suce For stouder o	ssfully over notwork	4		
I)	Config terminal	granger stip	nouter sup		
	sierder grip		network		
	netwark 10.0.0.0	network so.o.o.o			
	Show ip soule	netwark 20.0.0.0	network		
	show ip 910ule		30.0.0.0		
	IANI	LANZ	Show ip 9101de		





	Bafna Gold — Date: Page:
	Aim: Demonstrate TIL / life of a packet.
	Steps (1)
	Select a parket
2)	a refuersk i.c. PCO to PCI
	while towns forming packets power the packets
	(Click on Auto/ Capture play)
A)	Then click on packet then you an able to wew
	inbound & out outbound PDV.
	It when we are pause the TIL when we are pause the Auto/apture play.
-	the FLUTO Capture play.
	Physicalien then we are lending the norted
	Observation: when we are sending the packet even through one LAN to another LAN
	it will be greduces by 1 in 77 L.
ch	
84 J	
9	6/1)
- 11	

TOPOLOGY:



PING Commands:

```
C:\>ping 30.0.0.3

Pinging 30.0.0.3 with 32 bytes of data:

Reply from 30.0.0.3: bytes=32 time=3ms TTL=125
Reply from 30.0.0.3: bytes=32 time=2ms TTL=125
Reply from 30.0.0.3: bytes=32 time=2ms TTL=125
Reply from 30.0.0.3: bytes=32 time=2ms TTL=125
Ping statistics for 30.0.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 3ms, Average = 2ms
```

```
C:\>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 20.0.0.2: bytes=32 time=1ms TTL=128
Reply from 20.0.0.2: bytes=32 time=2ms TTL=128
Reply from 20.0.0.2: bytes=32 time<1ms TTL=128
Reply from 20.0.0.2: bytes=32 time=2ms TTL=128

Ping statistics for 20.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 1ms</pre>
```

```
C:\>ping 30.0.0.2

Pinging 30.0.0.2 with 32 bytes of data:

Reply from 30.0.0.2: bytes=32 time=3ms TTL=125
Reply from 30.0.0.2: bytes=32 time=3ms TTL=125
Reply from 30.0.0.2: bytes=32 time=6ms TTL=125
Reply from 30.0.0.2: bytes=32 time=2ms TTL=125
Ping statistics for 30.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 6ms, Average = 3ms
```

TTL (Time To Live):

