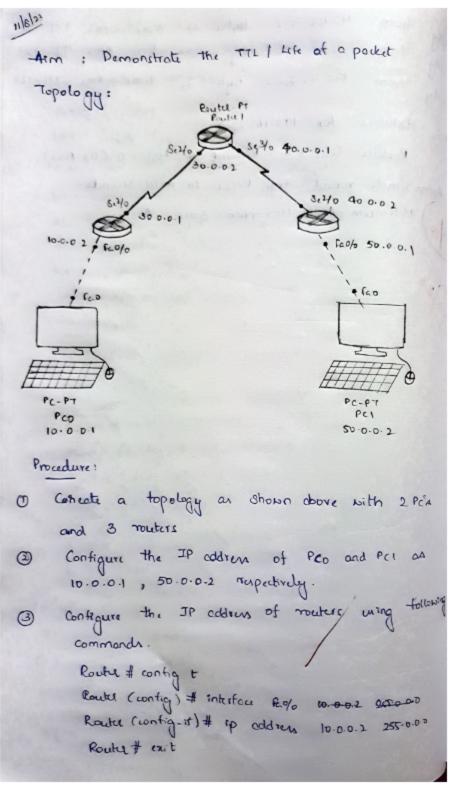
PROGRAM -7
Demonstrate the TTL/ Life of a Packet



Configure the westers using default / stake westing.

On simulation mode, send a simple PDU from

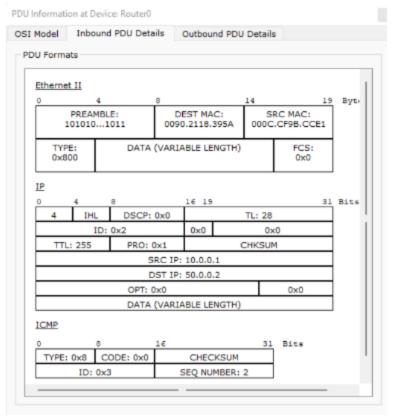
one Pc to another

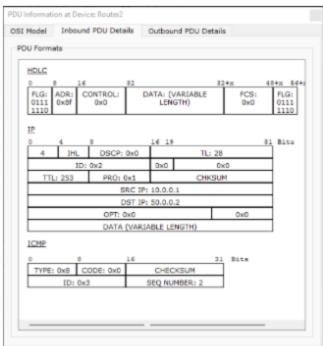
O use copture betton to copture every transfer.

O click on PDU during every transfer to see

the Inbound & outbound PDU details

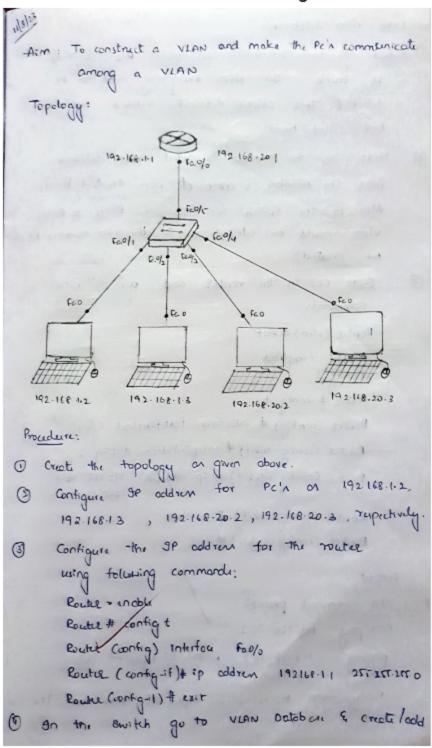
I Model Inbound PDU Details			nils (	Outbound PDU Details				
DU Forma	ats							
Etherne	t II							
0	4		0			14		19 Byt
PREAMBLE: 1010101011			DEST MAC: 000B.BE3C.E663 00				RC MAC: 3E31.6C0	А
TYF 0x8	DATA	DATA (VARIABLE LENGTH)				FCS: 0x0		
IP								_
0	4	8		16 19				31 Bits
4	IHL	DSCP:	DSCP: 0x0		TL: 28			
	ID: 0x1			0x0 0x0				
TTI	TTL: 128		PRO: 0x1		CHKSUM			
		S	RC IP:	50.0.0.	2			_
			ST IP:	10.0.0.	1			_
OPT: 0x0				0x0			0x0	_
		DATA	(VARIA	ABLE LE	NGTH)			
ICMP								
0	8		16			31	Bits	
TYPE:	0x0 C	ODE: 0x0		CHEC	KSUM			
ID: 0x3				SEQ NUMBER: 2				





## PROGRAM -11

## To construct a VLAN and make the PC's communicate among a VLAN



new vien detebore.

- O NOW, go to Interface fortfthunet 0/5 & make it trunk, In when everything need to be select (. This allows different VLAN's over single link called trunk.
- (6) Next, go to noute & select whon detabase

  from the number & name of von created before

  Also, in the switch for interface fab/3 & fably

  vlan should be selected as a (the vlan number while

  he created)
- (3) Goto CLI in the router and give following commands.

Router (vlan) # exit

APPLY completed.

friting ..

Route # config t

Router (config) # interface fort Ethernet 0/0.1

Pouter (config - subif) # encopsulation dottag 2

Route (config - subit) # ip addren 192.168.20.1

255-25 255 0

Router (config-subif) # no sheet Router (config-subif) # exit

Output : -

In command prompt

PC> ping 192.168.202

Reply from 192.168.20.2: byte = 32 time = 0 ms TTL=127

Reply from 192.168.20.2: byte = 32 time = 3 ms TTL=127

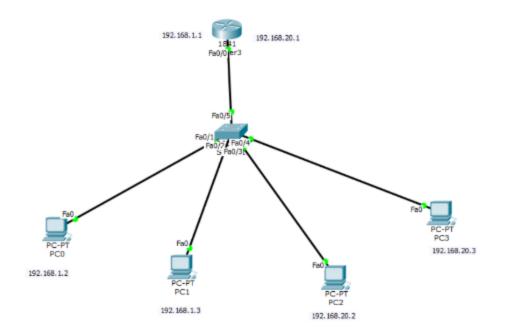
Reply from 192.168.20.2: byte = 32 time = 1 ms TTL=127

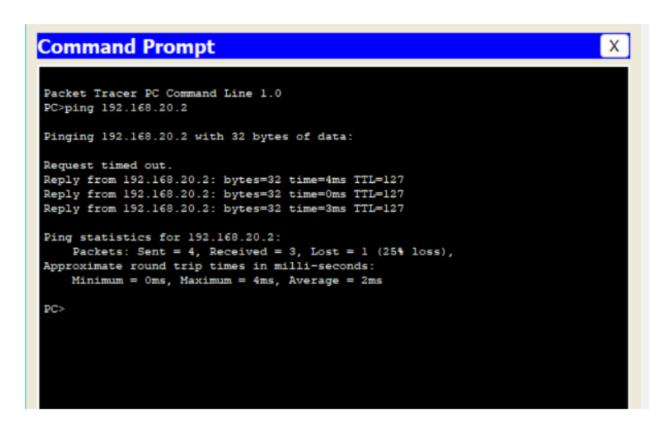
Ping statistics for 192.168.20.2:

Pockets: Sent = 4, Received = 4, Lost = 0 (07.10ss),

Approximate round trip times on milli-8econds:

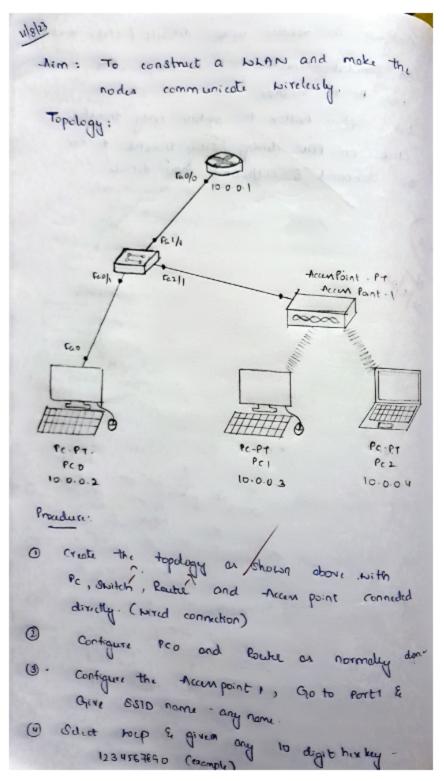
Tolo Minimum = ams, Moximum = 3 ms, Average =





PROGRAM 12

To construct a WLAN and make the nodes communicate wirelessly

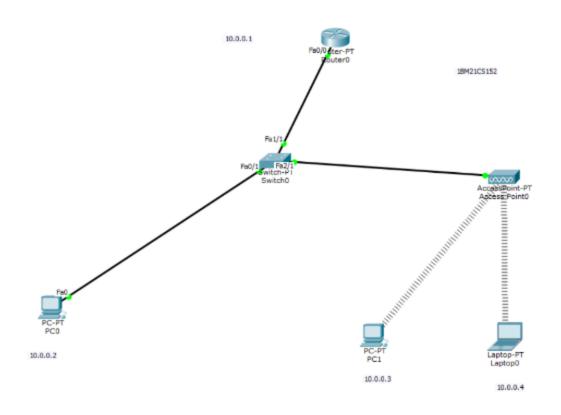


- 6 Configure PC4 & Loptop with wireless Standards
- (6) Switch off the device. Drag the existing PT-MOST-DMIAM to the component listed in the LHS.

  Drag WMP300N wireless interface to empty port.

  Switch on the device.
- An the config tob. a new wirders interface would have been added. New configure SSID, WEP, LEP Key, IP address and Gateway (as normally done) to the device.

22/8/2 10000 10000 to applicate to



## **Command Prompt**

X

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.20.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.2: bytes=32 time=4ms TTL=127
Reply from 192.168.20.2: bytes=32 time=0ms TTL=127
Reply from 192.168.20.2: bytes=32 time=3ms TTL=127
Ping statistics for 192.168.20.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 4ms, Average = 2ms
PC>
```