Name: Neeraj Varma

Roll. No: 8

Batch: A1

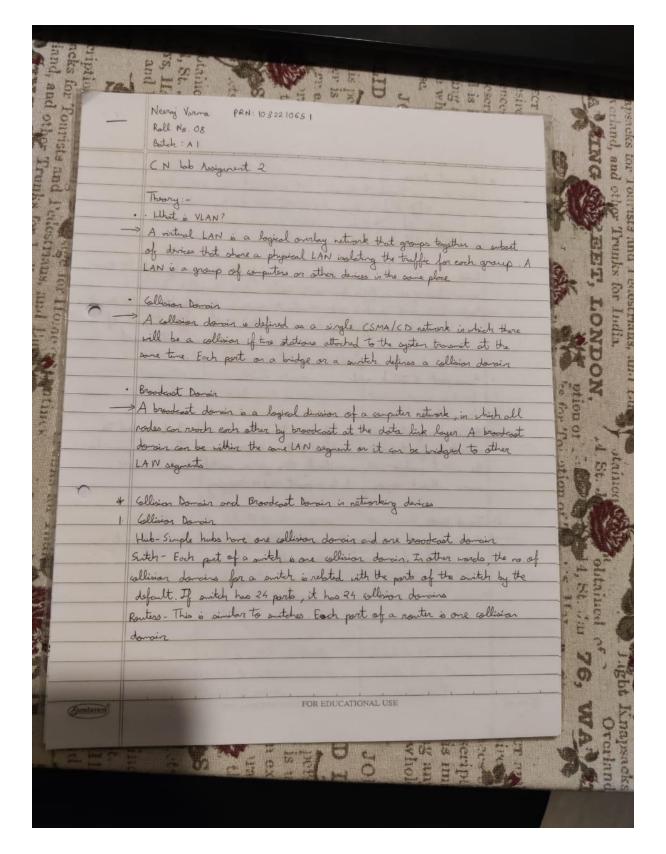
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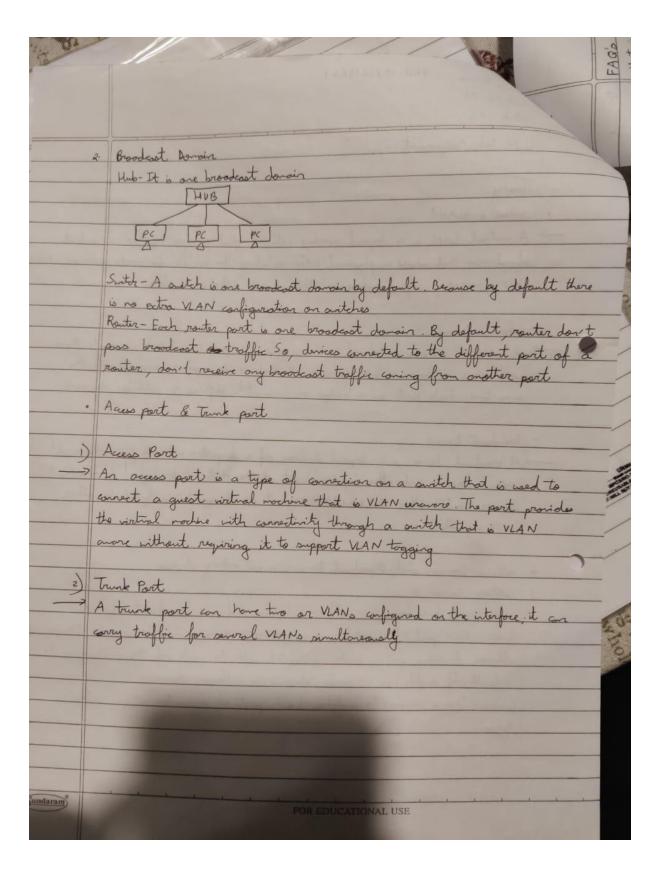
Title: Virtual LAN

Aim: Design and configure a virtual LAN using Packet Tracer.

Objectives:

To understand the concept of VLAN and implement it using packet tracer

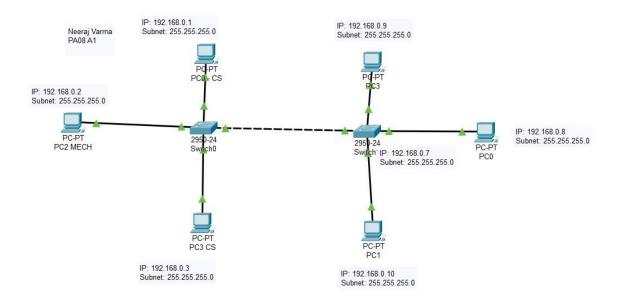


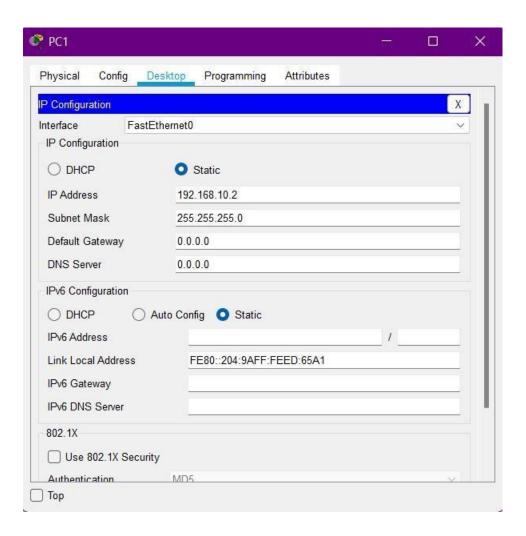


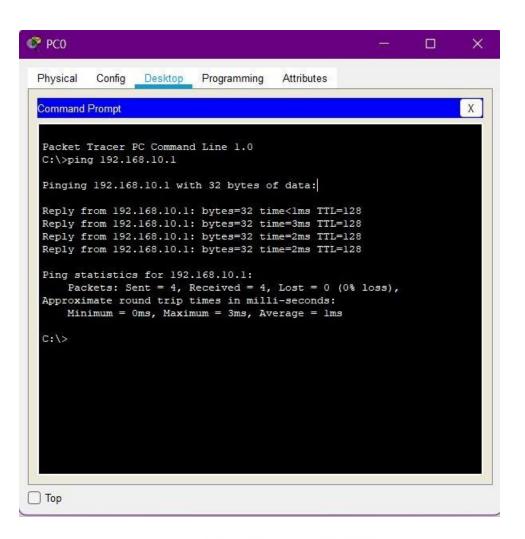
	,	33 22 15		
	FAQ's			MAD.
1	> VLAN alla	se need for VIAN,?		3
	specified a	se need for VIANS? so network administrators to auto roup of were by dividing work	anotically limit occess to a	Sand Sand
	reconfigur	e the retwork or change VLAN	estations into different isolated LAN one ordinistrators don't need to	A.
2	Enlist dill	erest put 1 = 11		
•	Cloonic C	tour GNS3, GOLD VIRL, E	like cinco perhet treer EVE-NG, Boson Noting CORE, IMUNES,	Ella Indiana
3	. What is t	la 1.11.		D TO
4.	> Parometer Terminology	Trunk Mode	Access 8 trunk mode? Access Mode	
	38	A trunk port can carry traffic in one or more MANS	VLAN and normally used from	Allo:
	- L.	on the same physical like. Trunked parts differentiate viny	terminating and devices like PC,	Time of
		either adding a tog to the		104
	Default	By default trunk an arry	By default access covies only one	
	behaviour	traffic for all VLANS	VLAN	(Image)
	Configuration	To designate a port to a tunk mode "anothport rode	To designate a port to access rode."	1 50 E
		truck"		OSTEN
	Use ease	- switch to witch consitivity	· Switch to PC/ loptop · Switch to printer	大社
		· Switch to server	· Switch to router	
Sundaram		FOR EDUCATI		
		L 8 50 00 0	REP SOF	7
				7

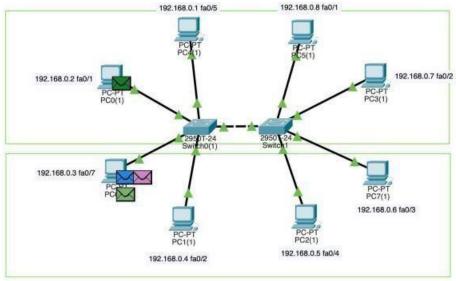
	VIAN Togo	Post configured is trunk my	ode Post configured is cruise made voil
	Verification Commando	· Show VLAN brief · Show interfore x/x miles	
			,
4.	Differentiate	between LAN & WAN LAN froz Local Arra Notwork	
->		LAN	VLAN Stando fraz Virtual local Arva Notwork
-i)	LAN stands	for Local Arva Network	Stado for Virtual local Area Notwork
10			
9)	The cost of	LAN is high	The cost of VLAN is less
iii)	The latera,	of LAN is high	The latercy of VLAN is less
	1		
- (vi	The devices	which are used in LAN	Devices used is VLAN are: Bridges >
0	re: hubo, r	which are used in LAN conters & anither	and switch
		The second point is the second	Mark Mark William Philippe
v) I	LAN, the	probert is ashertised to	In VLAN proket is sent to specific -
e	och device		broodget donain
	at Bullion	Street of an in the	
ui) L	ANG loss	efficient thenVLAN	VLAN has greater efficiency
		4.1	la aller made
	Section 30	The state of the s	The state of the s

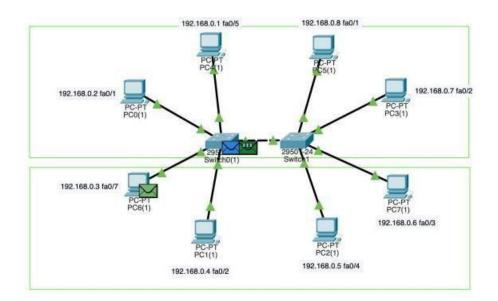
Screenshots:

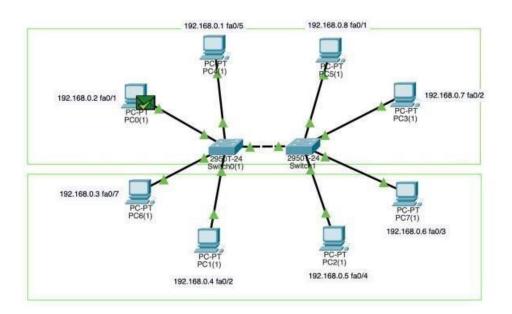












Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete	
	Successful	PC6(1)	PC2(1)	IC		0.000	N	0	((delete)
	Successful	PC0(1)	PC5(1)	IC		0.000	N	1	((delete)
	Failed	PC6(1)	PC0(1)	IC		0.000	N	2	((delete)