Date: 02 / 07 / 2025

Lab Practical #05:

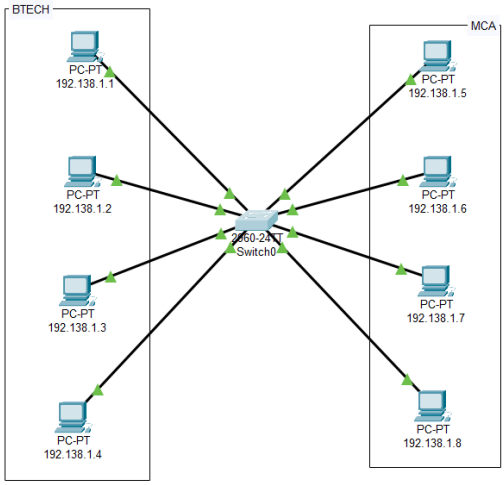
Study the concept of VLAN using packet tracer.

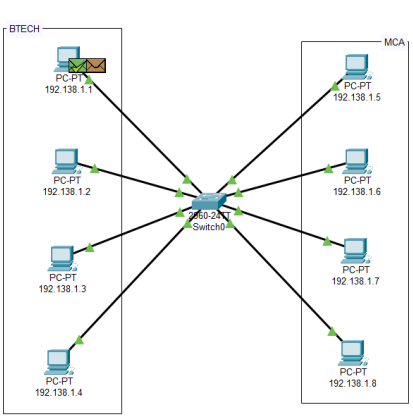
Practical Assignment #05:

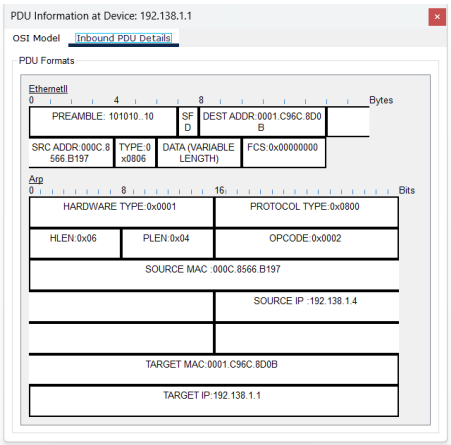
1. **Implement the different network structures in VLAN and VLAN trunking. Also check connectivity between them using ping command or PDU utility.**

Instructions:

1. Different VLANs configuration setup screenshot. (VLAN example given by lab faculty)







Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	192.1...	192.138.1.4	ICMP		0.000	N	0	(edit)	(delete)
	Failed	192.1...	192.138.1.4	ICMP		0.004	N	1	(edit)	(delete)

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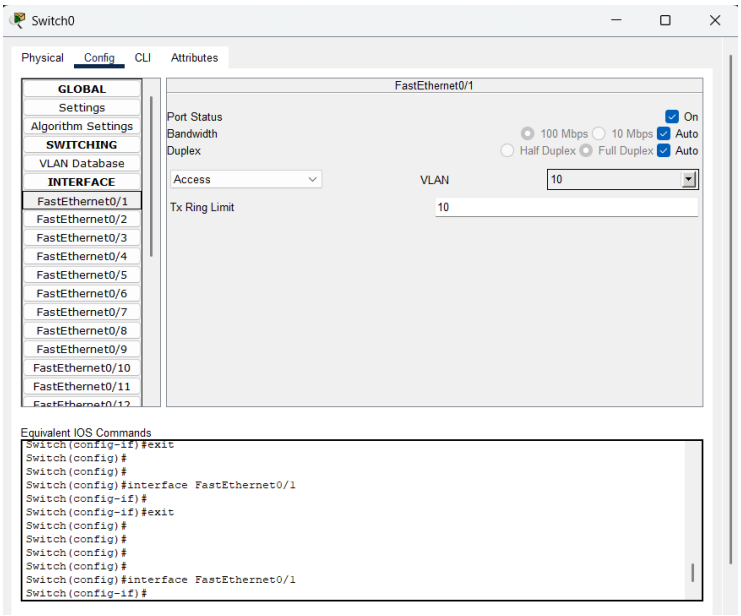

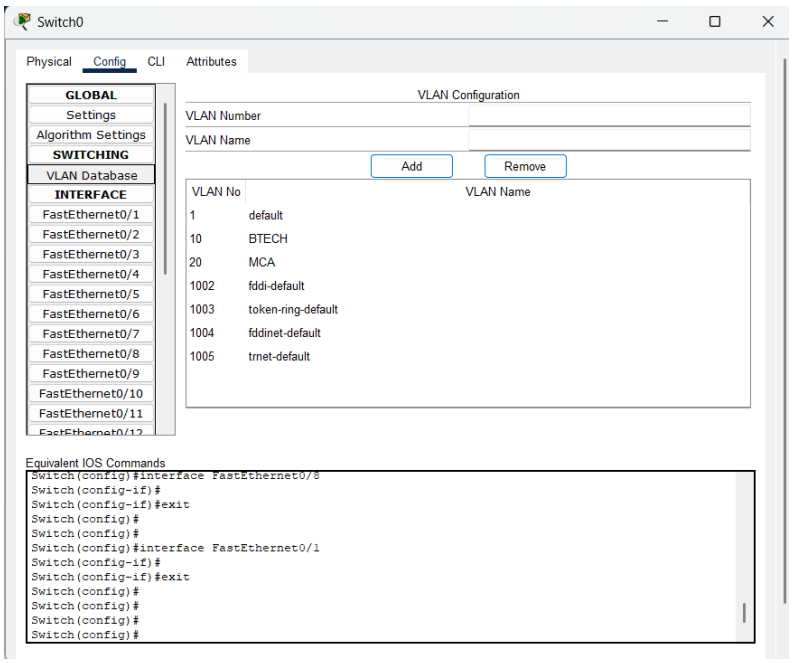

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2. Write steps to create VLANs in packet tracer.

enable

configure terminal

vlan 10

name BTECH

vlan 20

name MCA

exit

---

interface range fa0/1

switchport mode access

switchport access vlan 10

---

interface range fa0/2

switchport mode access

switchport access vlan 20

---

interface range fa0/3

trunk

exit

3. Mention IP address of each pc as label.
   - IP Address: 192.138.1.1

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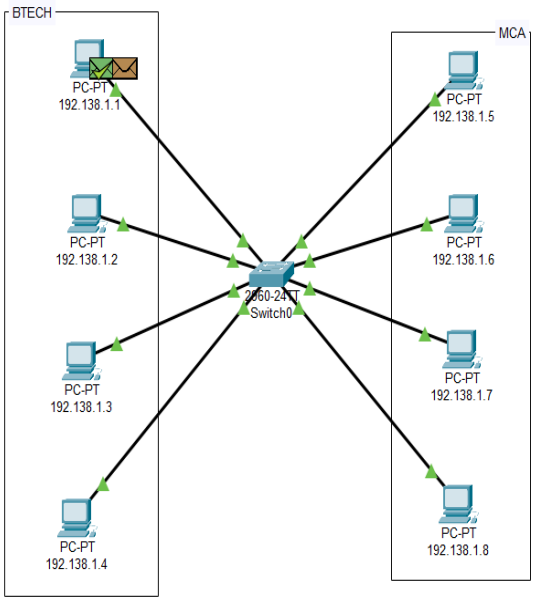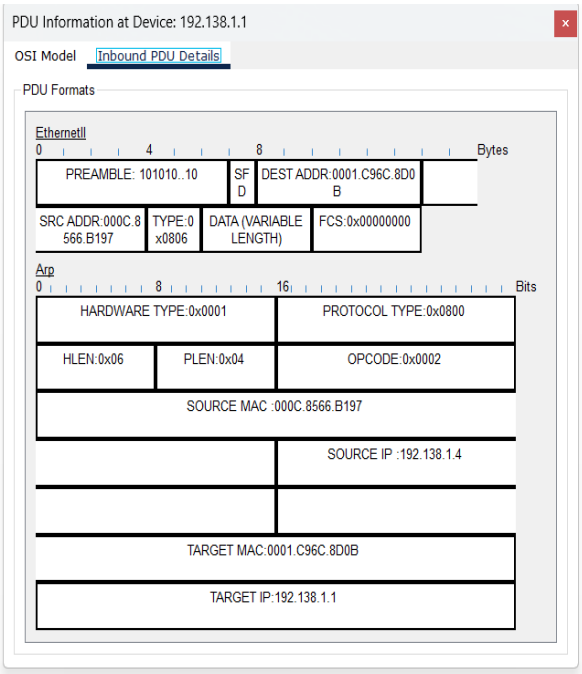
4. Ping command or PDU screenshot between two VLANs.