Aim: Simulate Virtual LAN configuration using cisco Packet Tracer Simulation
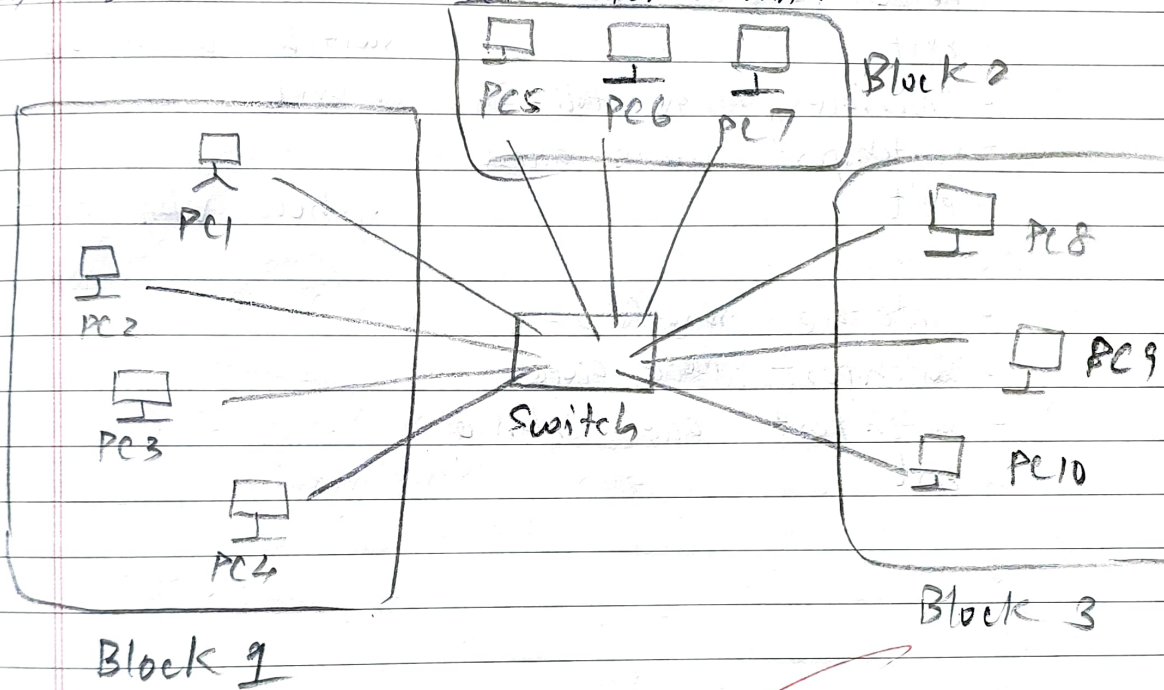
Student Observation

a) Draw and label for VLAN

Block 2

PC5 PC6 PC7

PC1

PC2

PC3

Switch

PC8

PC9

PC10

PC4

Block 3

Block 1

b) show The IP Configuration for each device

Device	IP Address	Subnet	Default
PC1	192.168.20.2	255.255.255.0	192.168.20.1
PC2	192.168.20.3	255.255.255.0	192.168.20.1
PC3	192.168.20.4	255.255.255.0	192.168.20.1
PC4	192.168.2.5	255.255.255.0	192.168.20.1
PC5	192.168.20.6	255.255.255.0	192.168.20.1
PC6	192.168.20.7	255.255.255.0	192.168.20.1
PC7	192.168.20.8	255.255.255.0	192.168.20.1
PC8	192.168.20.9	255.255.255.0	192.168.20.1
PC9	192.168.20.10	255.255.255.0	192.168.20.1
PC10	192.168.20.11	255.255.255.0	192.168.20.1

c) Write The commands used for VLAN configuration in switch.

- Configure terminal
- VLAN
- name Robotics VLAN
- Exit
- Interface range foli - 3
- Switch port mode access
- exit

- Interface range for 7-10
- Switch mode access
- switch access vlan to
- Exit

- show vlan brief.

- interface range fol 4 - 6
- switch port mode access
- switch port access Vlan 0
- exit

Result?

Thus the VLAN has been setup in The CISCO Tracer.