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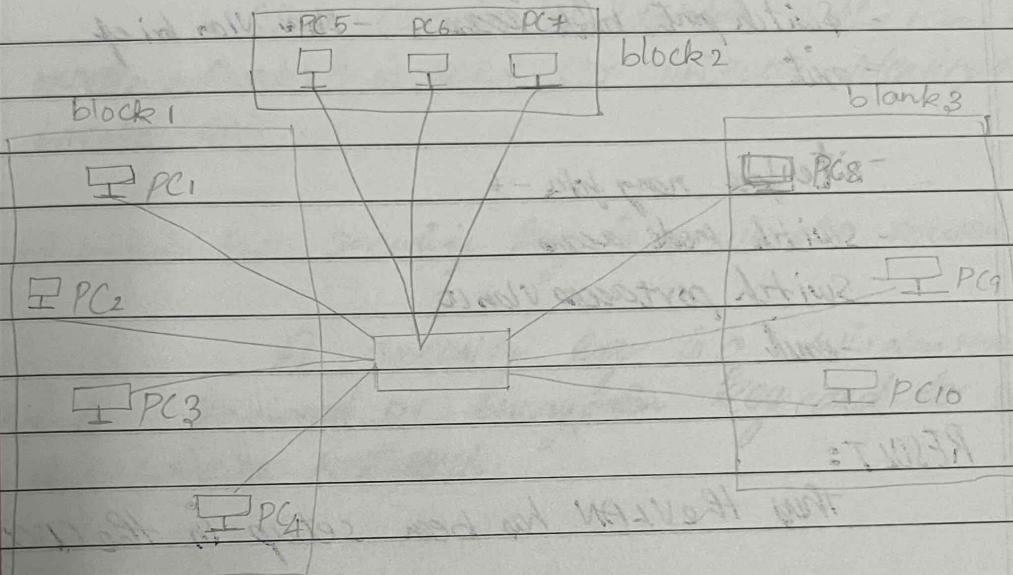
Practical-8a

AIM:

Simulate virtual LAN Configuration using cisco
Packet Trace Simulation.

STUDENT OBSERVATION :

a) Draw and label for VLAN



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	192.168.20.5	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

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

- Configure terminal
- interface range ports -10
- switchport mode access
- name Robotics = VLAN 10
- switchport access VLAN 10
- exit
- exit
- interface range ports -3
- switch port mode access
- show VLAN brief
- exit

- interface range ports -6
- switch mode access
- switch port access VLAN 10
- exit

RESULT:

Thus the VLAN has been setup in the CISCO router

Practical - 8b

AIM:

Configuration of wireless LAN using CISCO packet tracer.

a) What is SSID of a wireless router?

SSID (Service Set Identifier) is the name of a wireless network. It is used to uniquely identify a wireless LAN.

b) What is a security key in a wireless router?

A security key is a wireless router's password or encryption key card to serve a wireless network.

RESULT

Thus, a wireless LAN has been configured using CISCO packet tracer & the output is verified.