Practical - 8
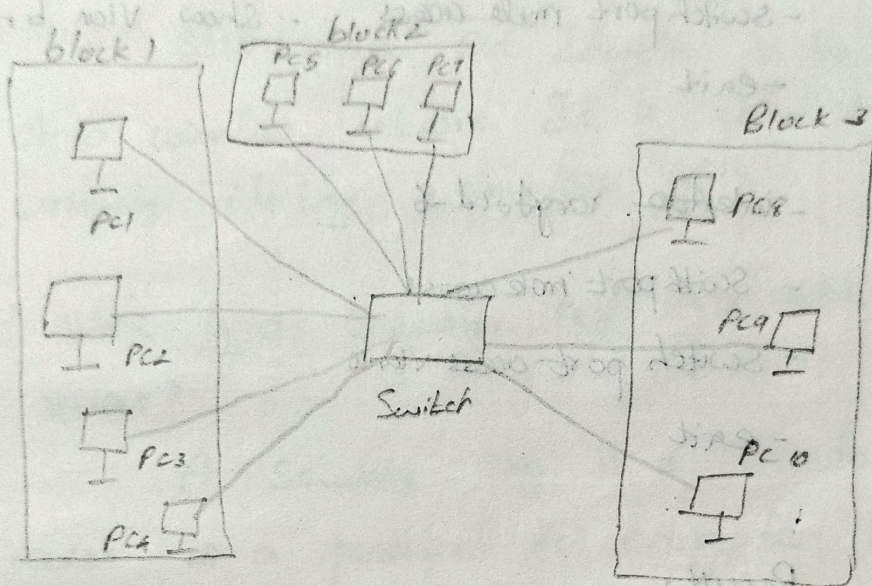
Aim:

Simulate Virtual LAN configuration
using cisco packet troa Simulation

Student Observation

a) Draw and label for VLAN

block 1   block2   Block 3

PC5   PC6   PC7

PC1

PC2

PC8

PC9

Switch

PC3

PC10

PC4

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 | 192.108.20.1 |
| PC3 | 192.168.20.4 | 255.255.255.0 | 192.108.201 |
| PC4 | 192.168.20.5 | 255.255.255.0 | 192.108.201 |
| PC5 | 192.168.20.6 | 255.255.255.0 | 192.108.20.1 |
| PC6 | 192.168.20.7 | 255.255.255.0 | 192.108.20.1 |
| PC7 | 192.168.20.8 | 255.255.255.0 | 192.108.20.1 |
| PC8 | 192.168.20.9 | 255.255.255.0 | 192.108.20.1 |
| PC9 | 192.168.20.10 | 255.255.255.0 | 192.108.20.1 |
| PC10 | 192.168.20.11 | 255.255.255.0 | 192.108.20.1 |

c) Write the commands used for VLAN configuration in Switch

- configure terminal
- vlan 12
- name Robotics - Vlan
- exit
- interface range fo1i-3
- switch port mode access
- exit

- interface range fold-6
- switch port mode access
- switch port access vlan10
- exit

- interface range fold-6
- switch port mode access
- switch port access vlan10
- exit

- interface range fold-8
- switch port mode access
- switch port access vlan10
- exit

-- show vlan brief

Result:

Thus the vlan has been setup in Cisco Tracer.