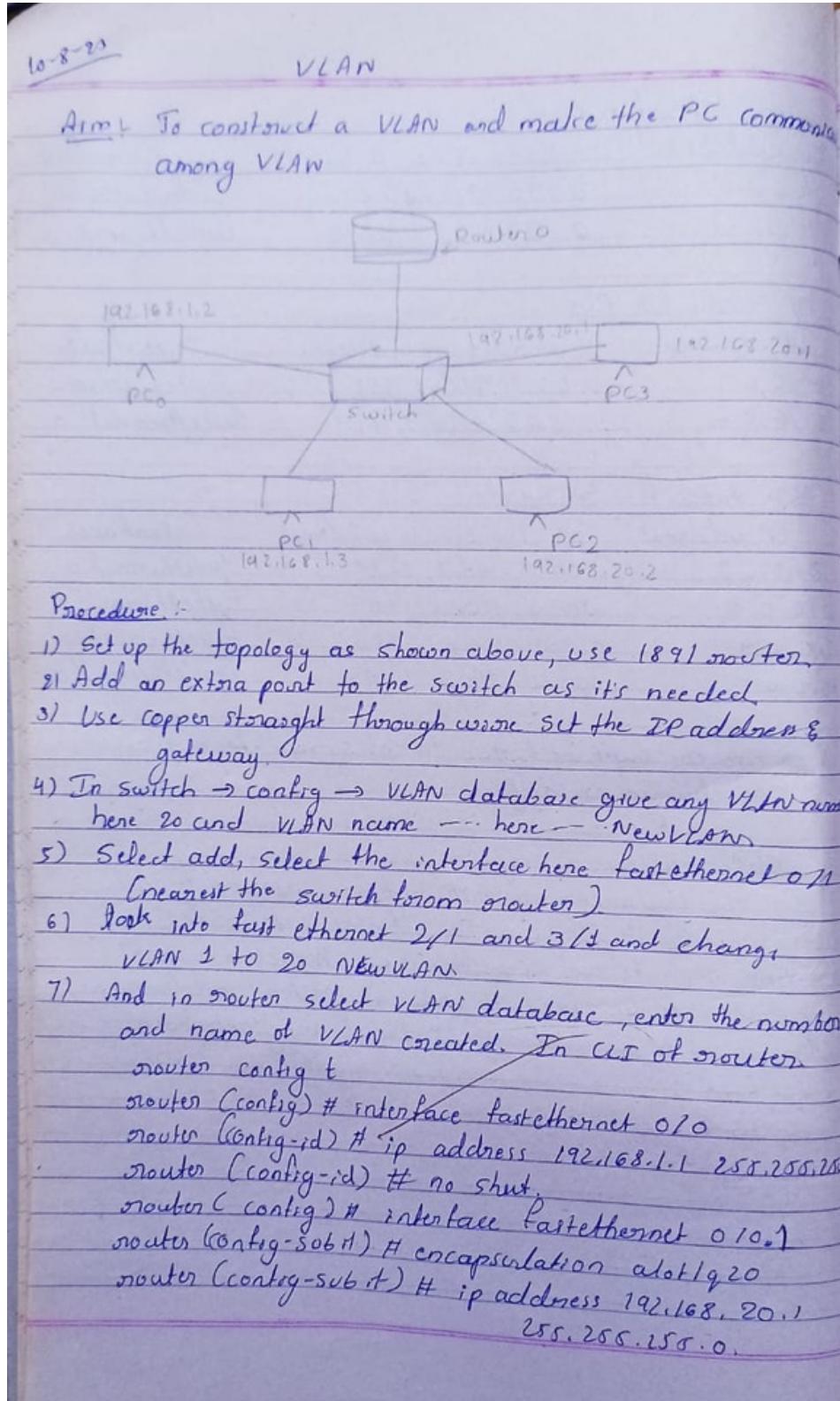


# WEEK 9

To construct a VLAN and make a pc communicate among

VLAN. OBSERVATION:



Router (config-sub if) # no shutdown  
Router (config-sub if) # exit

Result :- (in PC6)

PC → ping 192.168.20.3

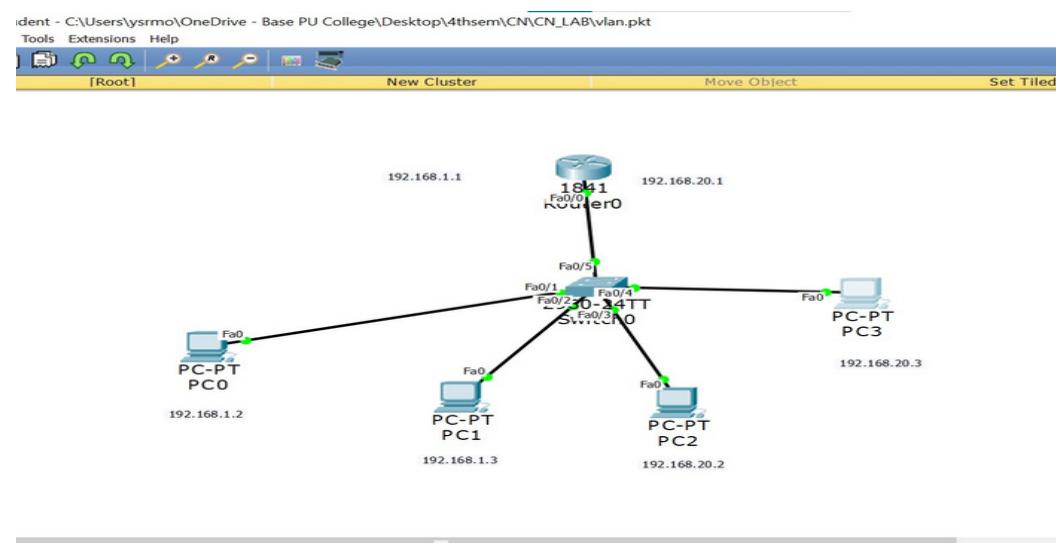
pinging 192.168.20.3 with 32 bytes of data  
Reply from 192.168.20.3 bytes=32 time=0ms TTL=128  
ping statistics for 192.168.20.3  
packets sent = 4 , received = 4 lost = 0 / 0  
minimum = 0ms, maximum = 1ms Average = 0ms

### Observation

- 1) VLAN → virtual local area network is any broadcast domain that is isolated in complete network at the data link layer.
- 2) It is virtualised connection that connects multiple devices and network nodes from different LAN into one logical network.

N.D  
29/8/2023

## TOPOLOGY:



## OUTPUT:

PC0

Physical Config Desktop Custom Interface

**Command Prompt**

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.3: bytes=32 time=0ms TTL=127
Reply from 192.168.20.3: bytes=32 time=5ms TTL=127
Reply from 192.168.20.3: bytes=32 time=0ms TTL=127

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

PC>|
```

