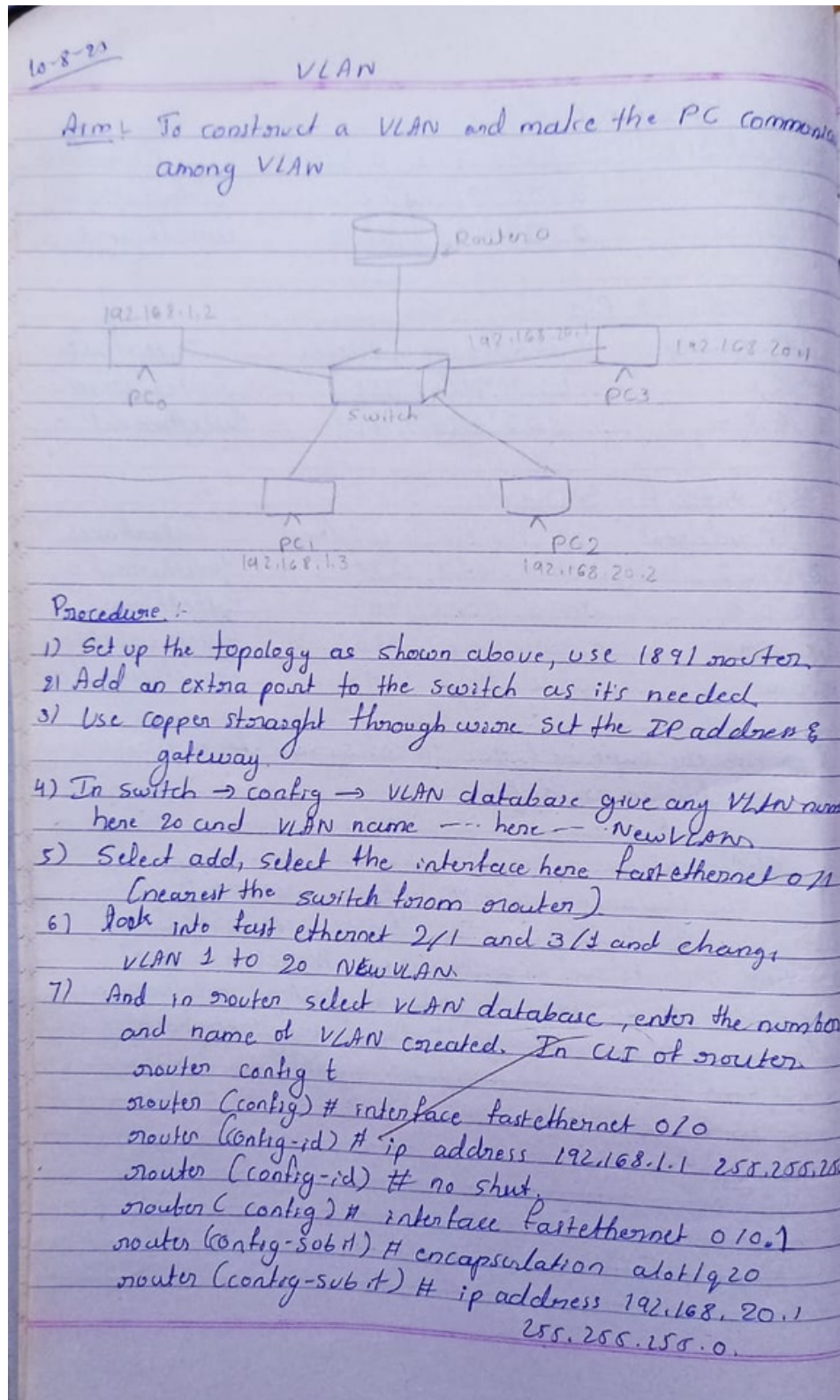


WEEK 9

To construct a VLAN and make a pc communicate among VLAN. OBSERVATION:



router(config-sub if) # no shut
router(config-sub if) # exit

Result :- (in PC)

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

reply from 192.168.20.3 bytes=32 time=0ms TTL=128

reply from 192.168.20.3 bytes=32 time=0ms TTL=128

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

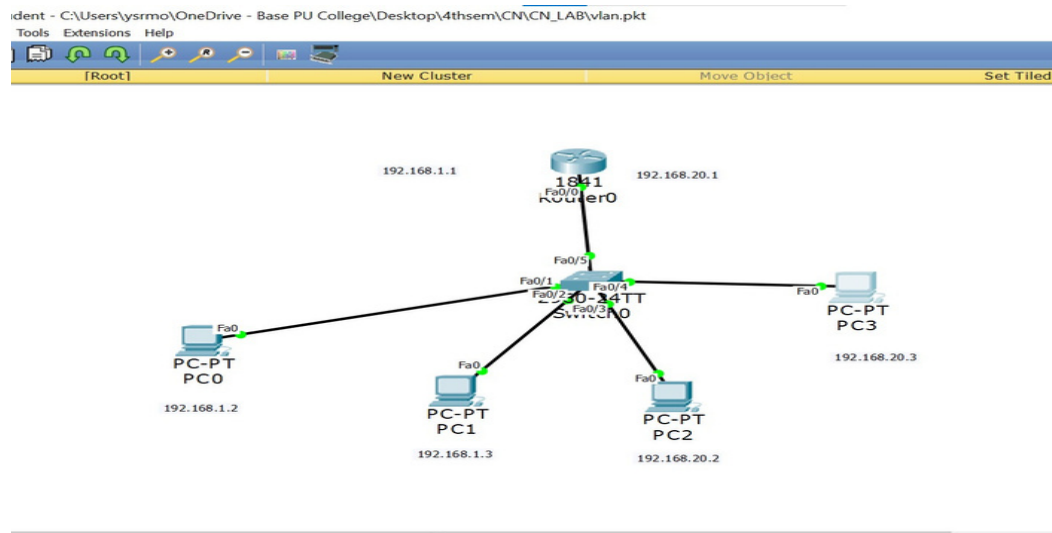
minimum=0ms, maximum=1ms Average=0ms

Observation

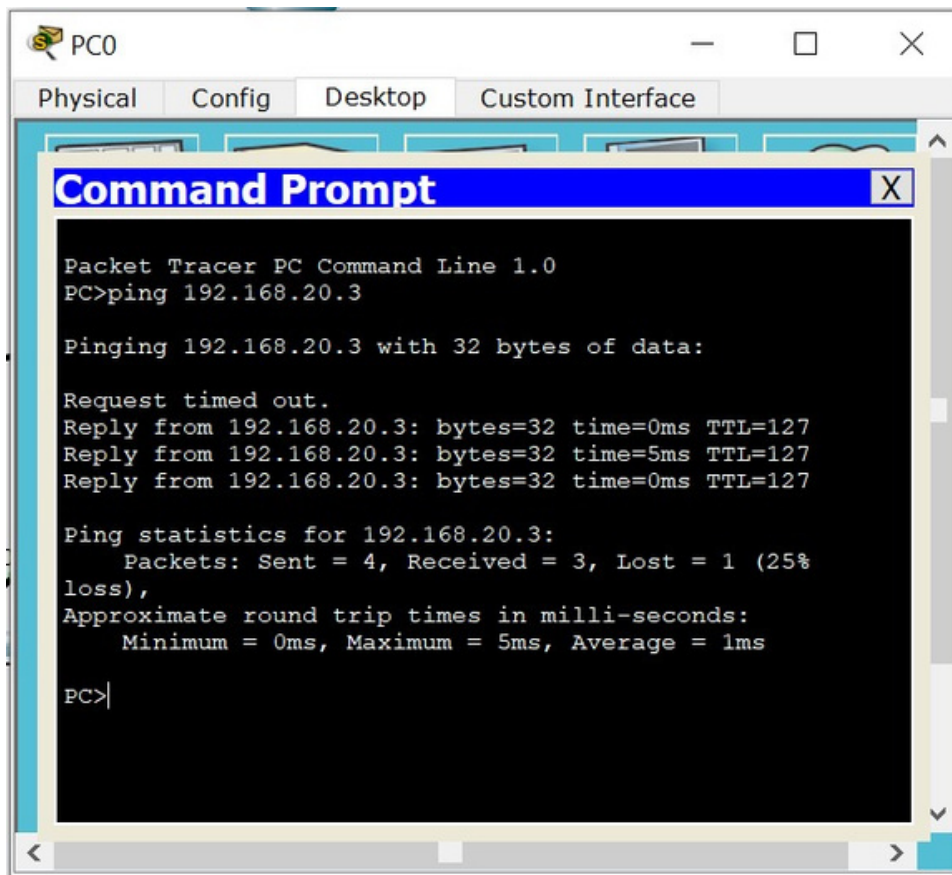
- 1) VLAN → virtual local area network is any broadcast domain that is isolated in complete network at the data link layer.
- 2) It is virtualised connection that connects multiple devices and network nodes from different LAN into one logical network.

N/A
29/8/2023

TOPOLOGY:



OUTPUT:



The screenshot shows a Packet Tracer PC window titled 'PC0' with tabs for 'Physical', 'Config', 'Desktop', and 'Custom Interface'. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of a ping command from PC0 to the IP address 192.168.20.3. The output indicates that the ping was successful, with 32 bytes of data being sent and received. The statistics show 4 packets sent, 3 received, and 1 lost (25% loss). The approximate round trip times are: Minimum = 0ms, Maximum = 5ms, Average = 1ms.

```
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>
```

