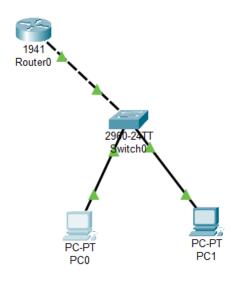
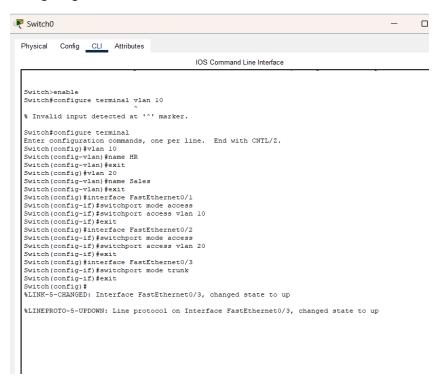
Use Cisco packet tracer for the below Set up trunk ports between switches and try ping between different VLANs.

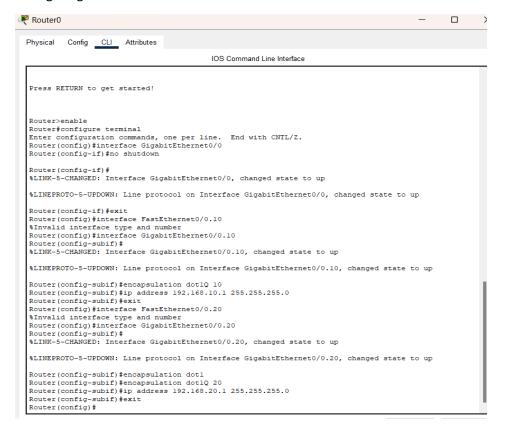
# Network Topology:



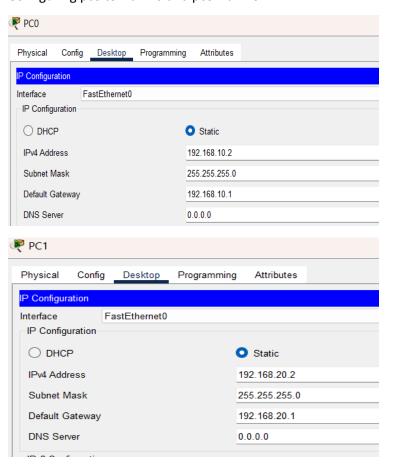
## Configuring Switch to vlans 10 and 20:



#### Configuring Router:



#### Configuring pc0 to vlan 10 and pc0 vlan 20:





Physical Config Desktop Programming Attributes

### Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.20.2
Pinging 192.168.20.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.20.2: bytes=32 time<1ms TTL=127
Reply from 192.168.20.2: bytes=32 time<1ms TTL=127
Reply from 192.168.20.2: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.20.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping 192.168.20.2
Pinging 192.168.20.2 with 32 bytes of data:
Reply from 192.168.20.2: bytes=32 time=3ms TTL=127
Reply from 192.168.20.2: bytes=32 time<1ms TTL=127
Reply from 192.168.20.2: bytes=32 time<1ms TTL=127
Reply from 192.168.20.2: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.20.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 3ms, Average = 1ms
C:\>tracert 192.168.20.2
Tracing route to 192.168.20.2 over a maximum of 30 hops:
                          0 ms
     0 ms
                0 ms
                                    192.168.10.1
      0 ms
                0 ms
                          0 ms
                                    192.168.20.2
Trace complete.
C:\>
```