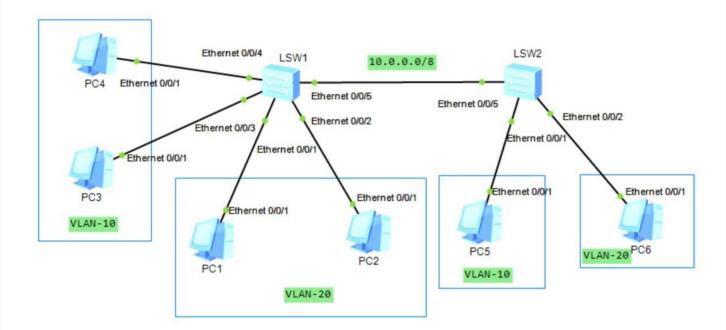
LAB-04

Implement the following VLAN scenario in eNSP simulator:

eNSP simulation:



```
X
ELSW1
The total number of vlans is: 3
                                                      UT: Untagged;
               D: Down;
                                 TG: Tagged;
fP: Vlan-mapping;
                                 ST: Vlan-stacking;
 : ProtocolTransparent-vlan;
                                 *: Management-vlan;
VID
    Type
             Ports
             UT:Eth0/0/5(U)
     common
                                 Eth0/0/6(D)
                                                  Eth0/0/7(D)
                                                                  Eth0/0/8(D)
                Eth0/0/9(D)
                                 Eth0/0/10(D)
                                                  Eth0/0/11(D)
                                                                  Eth0/0/12(D)
                Eth0/0/13(D)
                                 Eth0/0/14(D)
                                                  Eth0/0/15(D)
                                                                  Eth0/0/16(D)
                Eth0/0/17(D)
                                 Eth0/0/18(D)
                                                  Eth0/0/19(D)
                                                                  Eth0/0/20(D)
                Eth0/0/21(D)
                                 Eth0/0/22(D)
10
     common
             UT:Eth0/0/3(U)
                                 Eth0/0/4(U)
                                                                  GE0/0/2(D)
             UT:Eth0/0/1(U)
                                 Eth0/0/2(U)
                                                  GE0/0/1(D)
    Status
                           MAC-LRN Statistics Description
VID
             Property
     enable
                                                VLAN 0001
             default
                            enable
                                    disable
     enable
             default
                            enable
                                    disable
                                                VLAN 0010
                                                VLAN 0020
     enable
             default
                            enable
                                    disable
[LSW1]
```

INSTRUCTOR: SIR AHMED ZAKI

```
_ 🗆 X
🚰 LSW2
               D: Down:
                                 TG: Tagged;
                                                      UT: Untagged;
MP: Vlan-mapping;
                                 ST: Vlan-stacking;
#: ProtocolTransparent-vlan;
                                 *: Management-vlan;
             Ports
 7ID
     Type
             UT:Eth0/0/3(D)
                                 Eth0/0/4(D)
                                                 Eth0/0/5(U)
                                                                  Eth0/0/6(D)
                                                 Eth0/0/9(D)
                                                                  Eth0/0/10(D)
                Eth0/0/7(D)
                                 Eth0/0/8(D)
                Eth0/0/11(D)
                                Eth0/0/12(D)
                                                 Eth0/0/13(D)
                                                                  Eth0/0/14(D)
                Eth0/0/15(D)
                                Eth0/0/16(D)
                                                 Eth0/0/17(D)
                                                                  Eth0/0/18(D)
                Eth0/0/19(D)
                                Eth0/0/20(D)
                                                 Eth0/0/21(D)
                                                                  Eth0/0/22(D)
                                 GE0/0/2(D)
                GE0/0/1(D)
             UT:Eth0/0/1(U)
10
     common
20
             UT:Eth0/0/2(U)
                           MAC-LRN Statistics Description
VID
     Status
             Property
     enable
             default
                           enable
                                    disable
                                               VLAN 0001
                                    disable
                                               VLAN 0010
10
     enable
             default
                            enable
     enable
                           enable
                                    disable
                                               VLAN 0020
             default
20
[LSW2]
```

Ping 192.168.1.4 from 192.168.1.3 (same vlan-10)

```
PC3
                                                                                   X
                              UdpPacket
           Command
                    MCPacket
                                        Console
 Welcome to use PC Simulator!
 PC>ping 192.168.1.4
 Ping 192.168.1.4: 32 data bytes, Press Ctrl C to break
 From 192.168.1.4: bytes=32 seq=1 ttl=128 time=47 ms
 From 192.168.1.4: bytes=32 seq=2 ttl=128 time=62 ms
 From 192.168.1.4: bytes=32 seq=3 ttl=128 time=47 ms
 From 192.168.1.4: bytes=32 seq=4 ttl=128 time=62 ms
 From 192.168.1.4: bytes=32 seq=5 ttl=128 time=47 ms
   - 192.168.1.4 ping statistics ---
   5 packet(s) transmitted
   5 packet(s) received
   0.00% packet loss
   round-trip min/avg/max = 47/53/62 ms
 PC>
```

INSTRUCTOR: SIR AHMED ZAKI

Ping 192.168.1.1 from 192.168.1.2 (same vlan-20)

```
□ X
PC2
                             UdpPacket Console
 Basic Config Command
                   MCPacket
 Welcome to use PC Simulator!
 PC>ping 192.168.1.1
 Ping 192.168.1.1: 32 data bytes, Press Ctrl_C to break
 From 192.168.1.1: bytes=32 seq=1 ttl=128 time=47 ms
 From 192.168.1.1: bytes=32 seq=2 ttl=128 time=47 ms
 From 192.168.1.1: bytes=32 seq=3 ttl=128 time=63 ms
 From 192.168.1.1: bytes=32 seq=4 ttl=128 time=47 ms
 From 192.168.1.1: bytes=32 seq=5 ttl=128 time=47 ms
  -- 192.168.1.1 ping statistics ---
  5 packet(s) transmitted
   5 packet(s) received
   0.00% packet loss
   round-trip min/avg/max = 47/50/63 ms
 PC>
```

Ping 192.168.1.2 from 192.168.1.4 (Different vlan)

```
PC4
                                                                             Х
 Basic Config Command MCPacket UdpPacket
                                        Console
Welcome to use PC Simulator!
PC>ping 192.168.1.2
Ping 192.168.1.2: 32 data bytes, Press Ctrl_C to break
From 192.168.1.4: Destination host unreachable
From 192.168.1.4: Destination host unreachable
From 192.168.1.4: Destination host unreachable
 From 192.168.1.4: Destination host unreachable
 From 192.168.1.4: Destination host unreachable
   - 192.168.1.2 ping statistics ---
  5 packet(s) transmitted
   0 packet(s) received
   100.00% packet loss
```