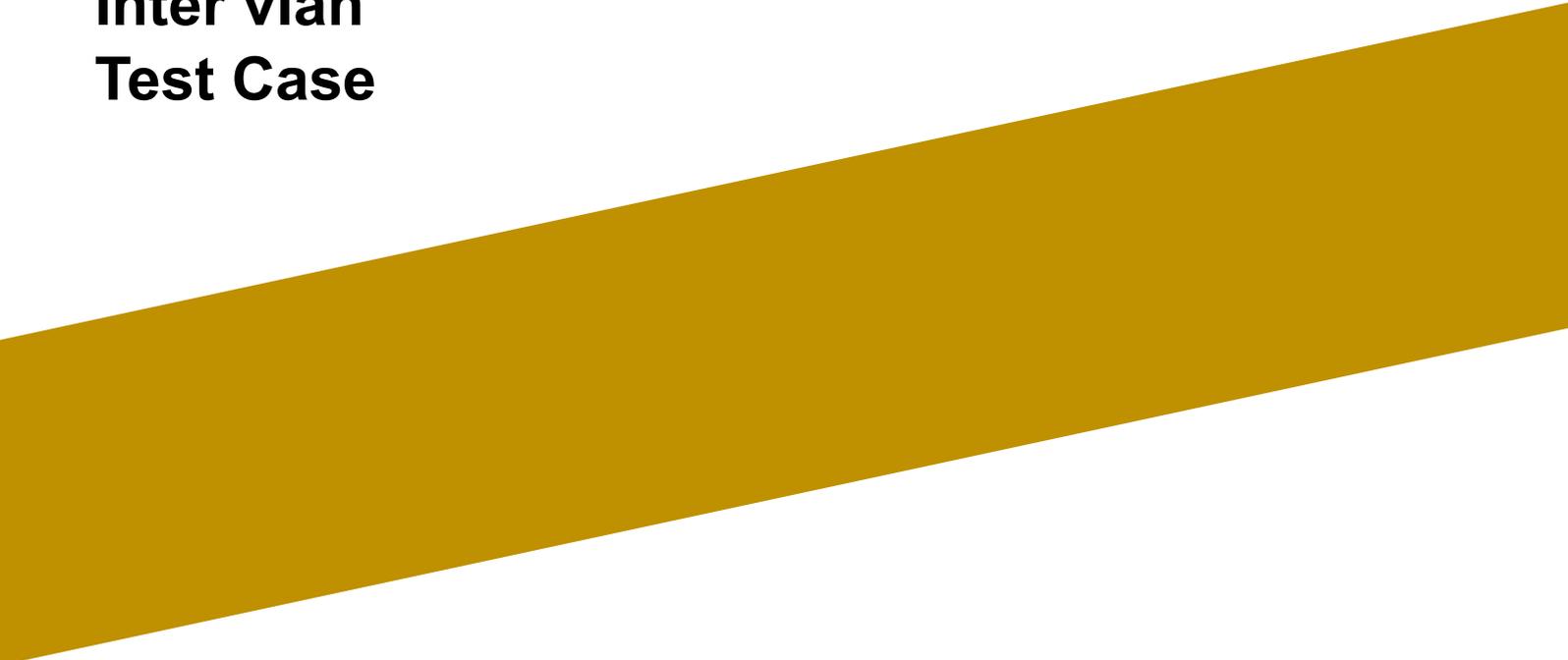
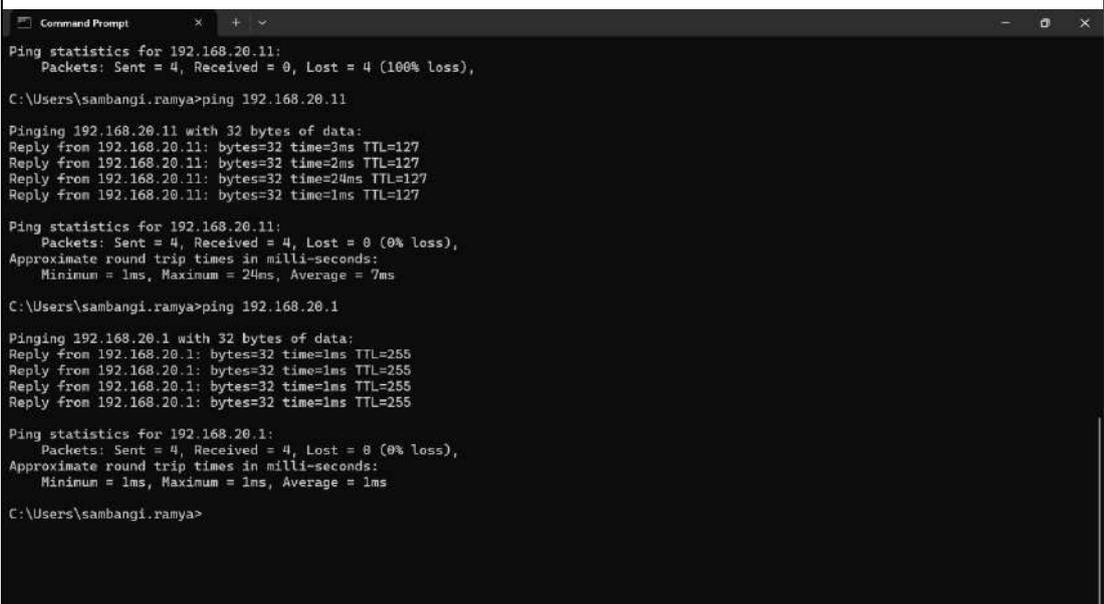
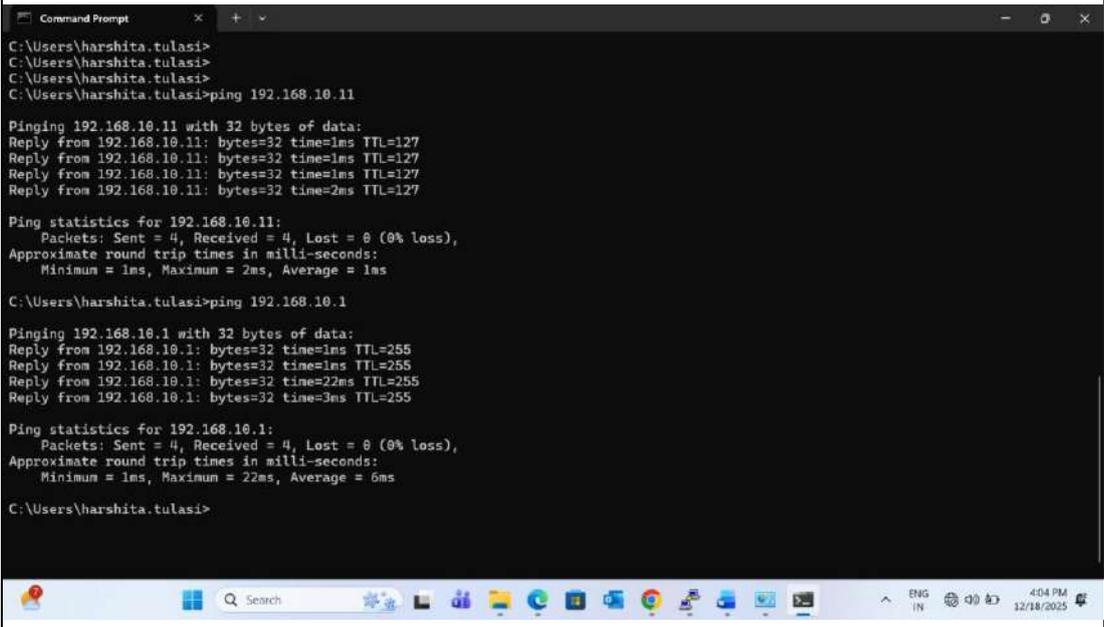


**Alpha Bridge
Inter vlan
Test Case**



1. Inter-vlan Routing

Testcase	Inter-vlan Routing
Procedure	<ol style="list-style-type: none"> 1. Connect 2 PCs to switch 2. Create two vlan's and assign IP's address for each vlan 3. Assign ip address and gateway for both PCs and ping switch and other PC from another PC <div style="text-align: center; margin-top: 20px;">  </div>
Configuration	<p>Switch Configuration:</p> <pre> vlan 10,20 //creating vlan 10,20 interface vLAN 10 ip address 192.168.10.1 255.255.255.0 // assigning ip address for vlan 10 exit interface vLAN 20 ip address 192.168.20.1 255.255.255.0 // assigning ip address for vlan 20 exit interface gigaEthernet 0/7 switchport mode access //enable port 7 as access port switchport pvid 10 //assigning vlan 10 to port 7 exit interface gigaEthernet 0/8 switchport mode access //enable port 8 as access port switchport pvid 20 //assigning vlan 20 to port 7 exit write all </pre>

<p>Test result</p>	<p>Switch and PC2 are pinging from PC1</p>  <pre> Command Prompt Ping statistics for 192.168.20.11: Packets: Sent = 4, Received = 0, Lost = 4 (100% loss), C:\Users\sambangi.ramya>ping 192.168.20.11 Pinging 192.168.20.11 with 32 bytes of data: Reply from 192.168.20.11: bytes=32 time=3ms TTL=127 Reply from 192.168.20.11: bytes=32 time=2ms TTL=127 Reply from 192.168.20.11: bytes=32 time=24ms TTL=127 Reply from 192.168.20.11: bytes=32 time=1ms TTL=127 Ping statistics for 192.168.20.11: Packets: Sent = 4, Received = 0, Lost = 4 (100% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 24ms, Average = 7ms C:\Users\sambangi.ramya>ping 192.168.20.1 Pinging 192.168.20.1 with 32 bytes of data: Reply from 192.168.20.1: bytes=32 time=1ms TTL=255 Ping statistics for 192.168.20.1: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 1ms, Average = 1ms C:\Users\sambangi.ramya> </pre>
<p>Remarks</p>	<p>Switch and PC1 are pinging from PC2</p>  <pre> Command Prompt C:\Users\harshita.tulasi> C:\Users\harshita.tulasi> C:\Users\harshita.tulasi> C:\Users\harshita.tulasi>ping 192.168.10.11 Pinging 192.168.10.11 with 32 bytes of data: Reply from 192.168.10.11: bytes=32 time=1ms TTL=127 Reply from 192.168.10.11: bytes=32 time=1ms TTL=127 Reply from 192.168.10.11: bytes=32 time=1ms TTL=127 Reply from 192.168.10.11: bytes=32 time=2ms TTL=127 Ping statistics for 192.168.10.11: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 2ms, Average = 1ms C:\Users\harshita.tulasi>ping 192.168.10.1 Pinging 192.168.10.1 with 32 bytes of data: Reply from 192.168.10.1: bytes=32 time=1ms TTL=255 Reply from 192.168.10.1: bytes=32 time=1ms TTL=255 Reply from 192.168.10.1: bytes=32 time=22ms TTL=255 Reply from 192.168.10.1: bytes=32 time=3ms TTL=255 Ping statistics for 192.168.10.1: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 22ms, Average = 6ms C:\Users\harshita.tulasi> </pre>