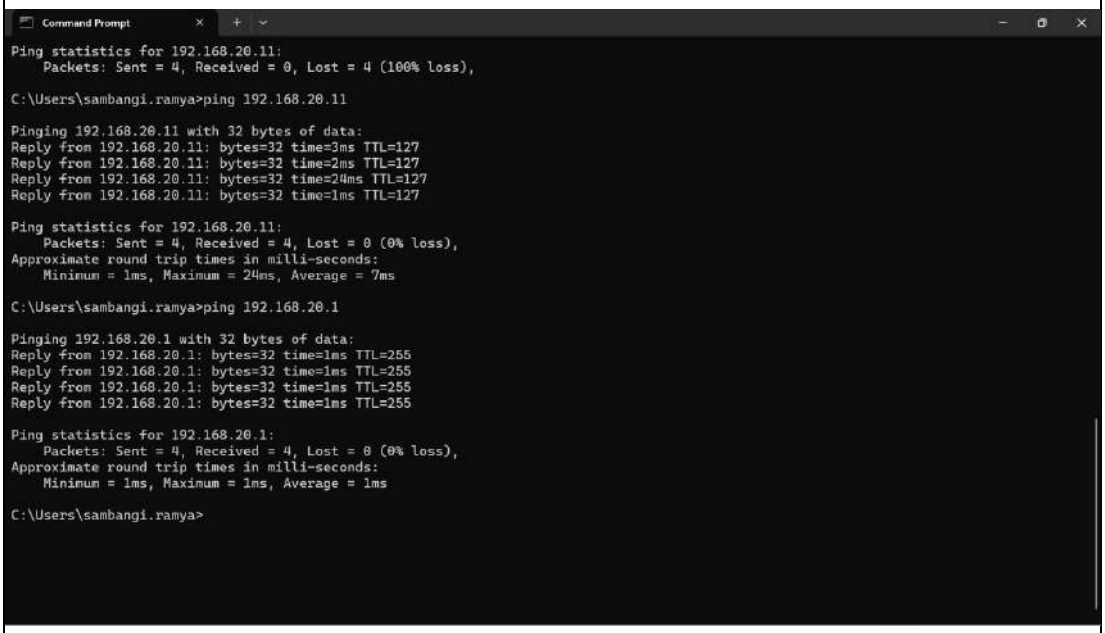
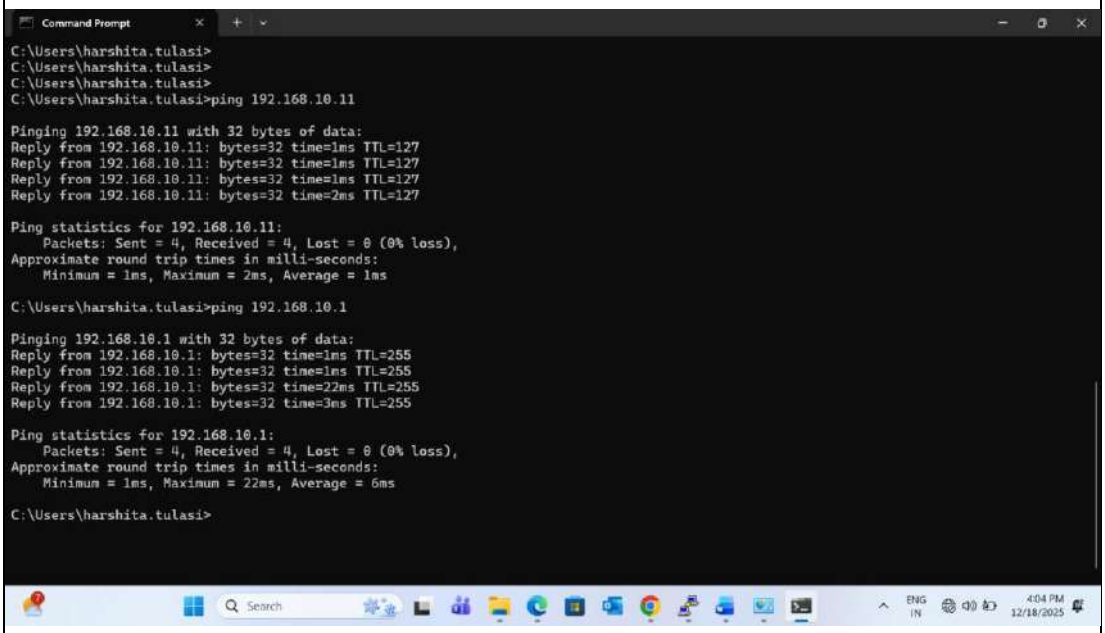
Alpha Bridge
Inter vlan
Test Case

1. Inter-vlan Routing

Testcase	Inter-vlan Routing
Procedure	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 vlan 10, G0/7 ip address 192.168.10.1/24 vlan 20, G0/8 ip address 192.168.20.1/24 IP: 192.168.10.11 Gateway: 192.168.10.1 IP: 192.68.20.11 Gateway: 192.168.20.1

Configuration	**Switch Configuration:**
	`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`

Test result	**Switch and PC2 are pinging from PC1**  **Switch and PC1 are pinging from PC2** 
Remarks	Working

Copyright @ Alpha Bridge Technologies Private Limited
This document is ABTPL Public Information. ABTPL reserves the right to alter, update, and otherwise change the information contained in the document from time to time. www.alphabridge.tech V1.0 23. December.2025