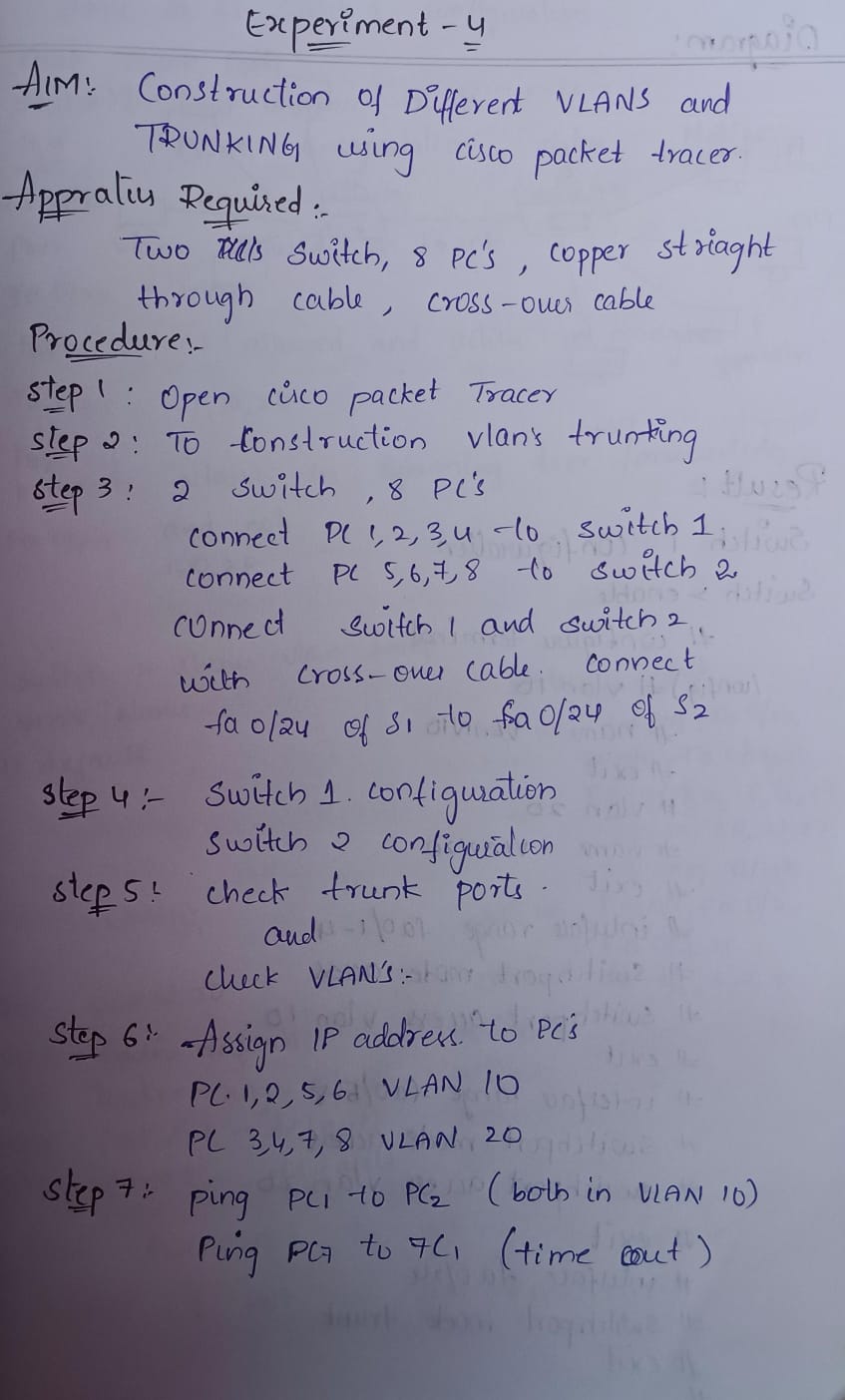
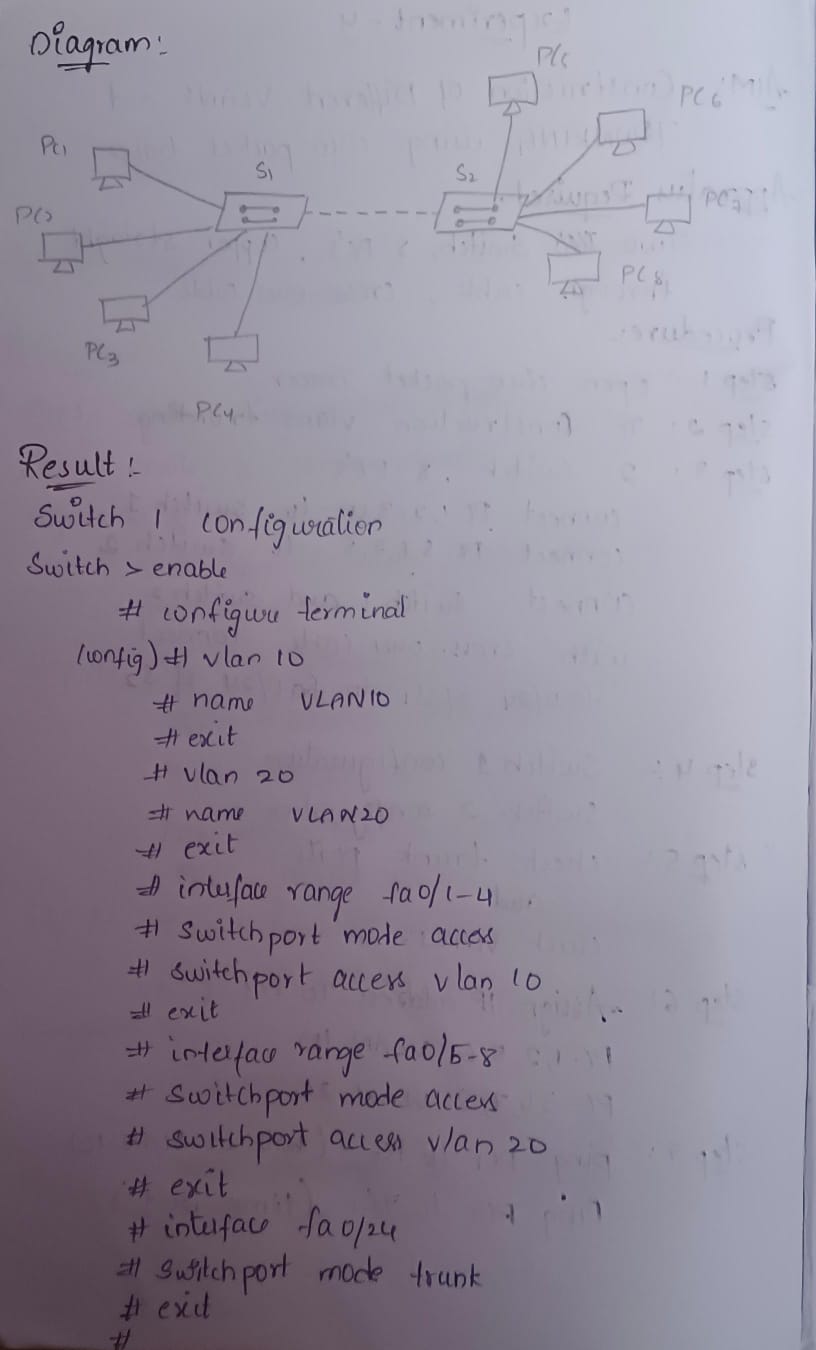
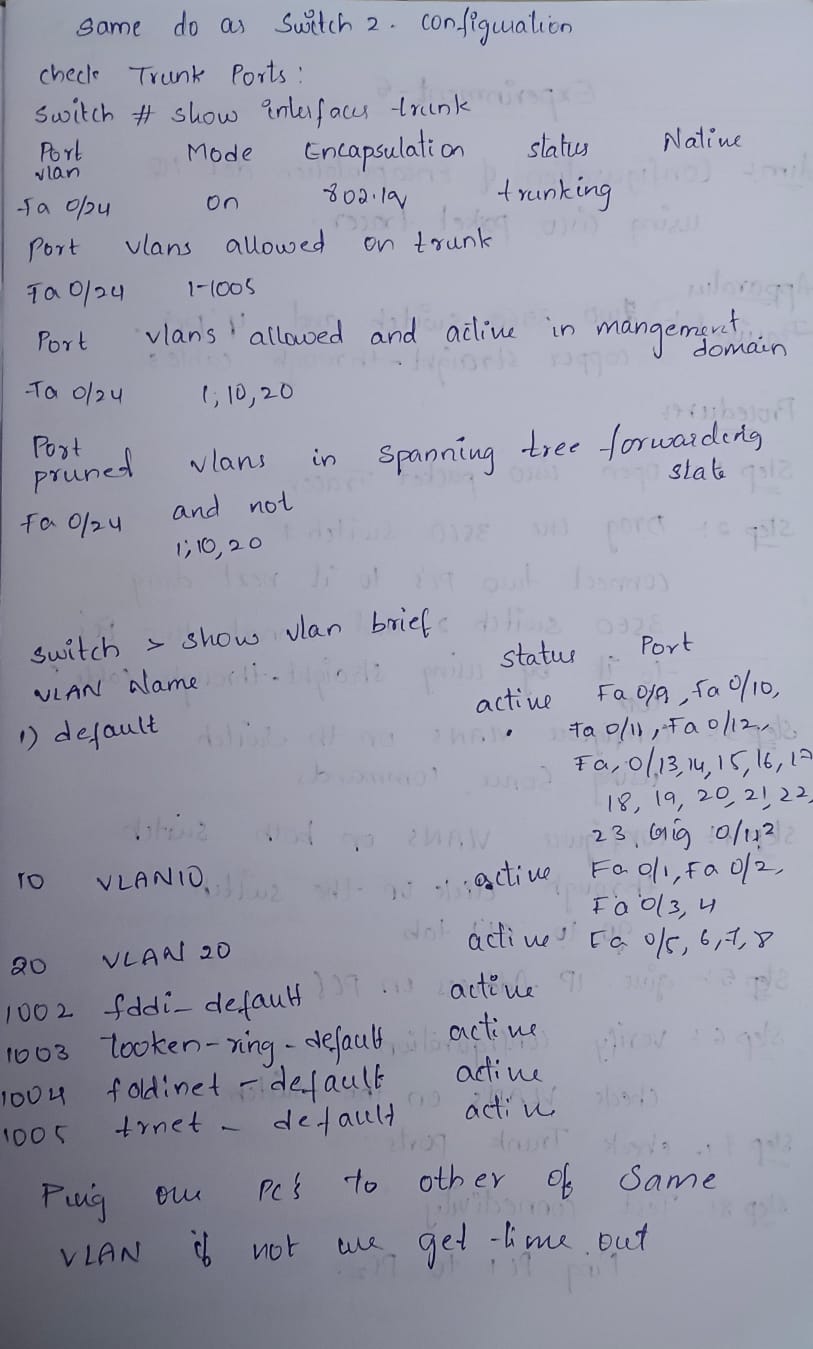
NPS 2320030205

EXPERIMENT-4 N. Manasa Lahari

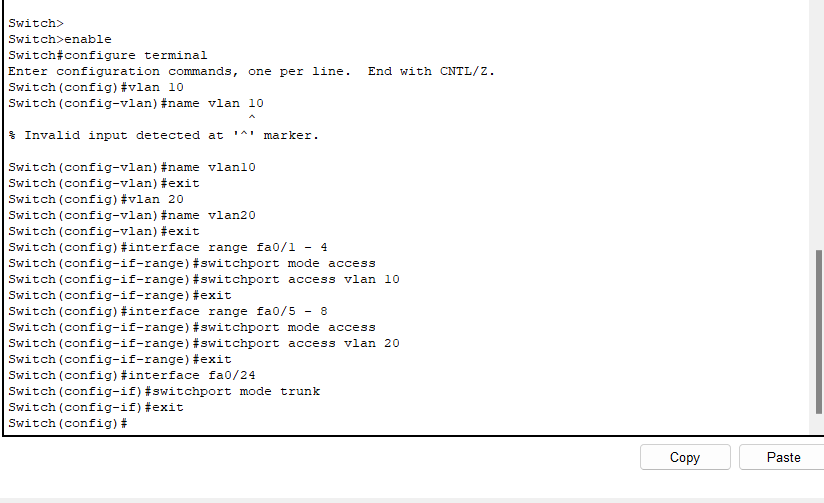
AIM: **Construction of Different VLANS and TRUNKING using cisco packet tracer**

****

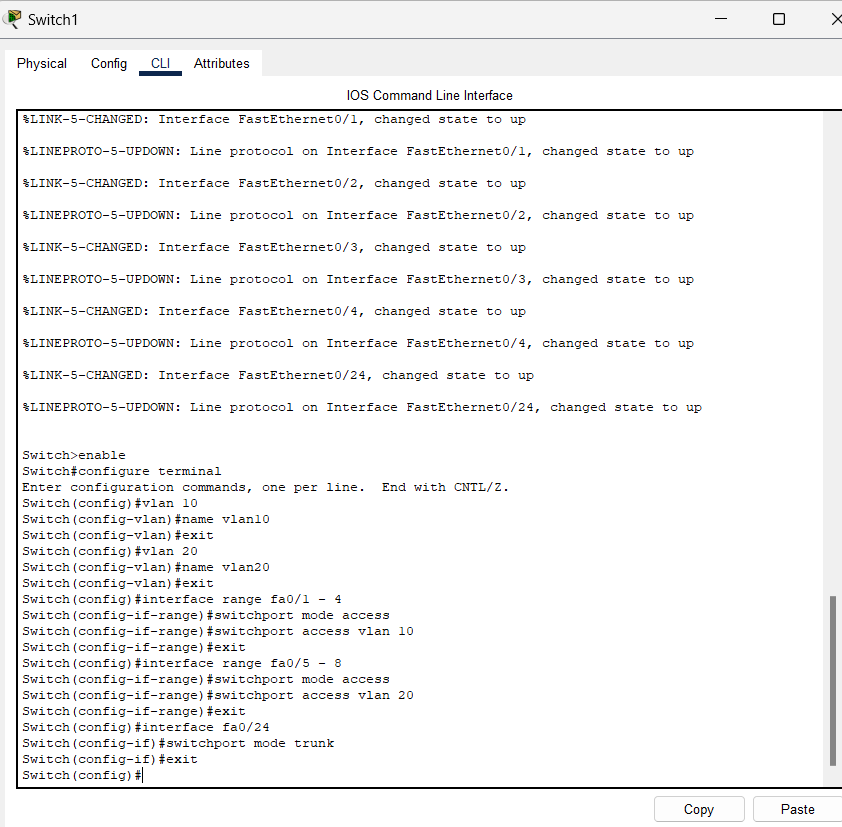
****

****

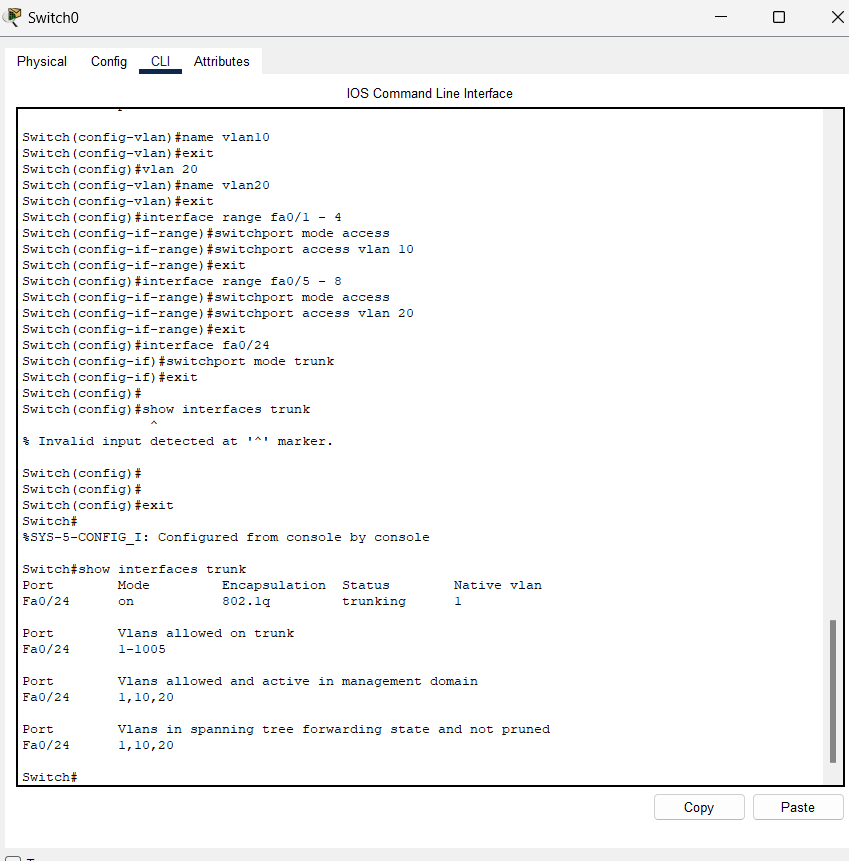
**Switch 0 configuration**

****

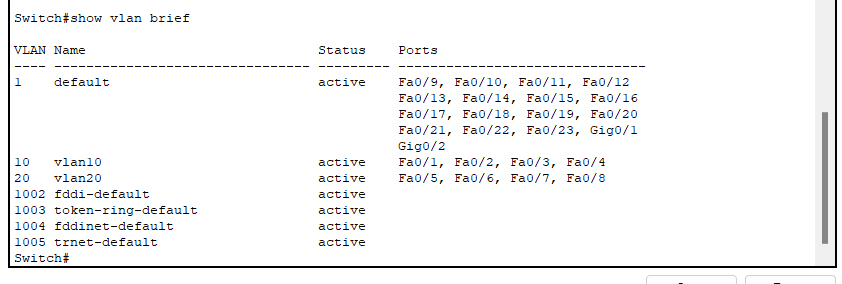
Switch 1 configuration



1. **Check Trunk Ports:**

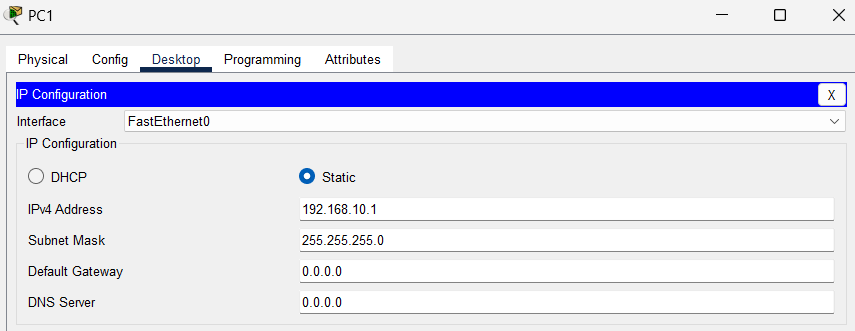


**Check VLANs:**

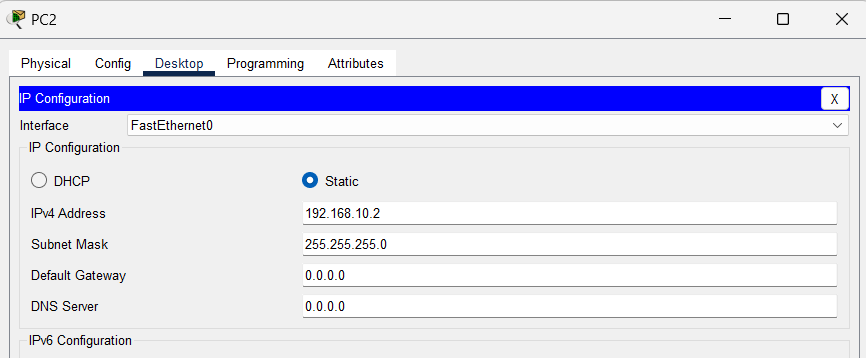


1. **Assign IP Addresses to PCs:**

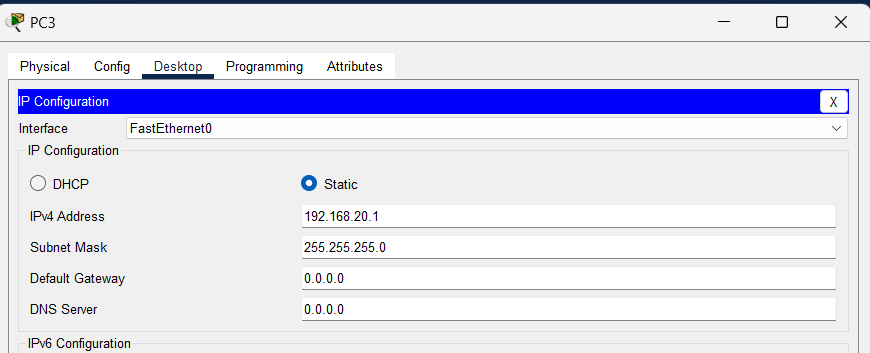
For pc1



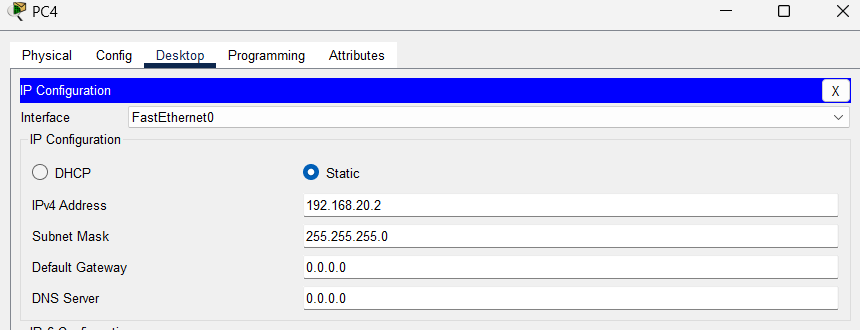
For pc2



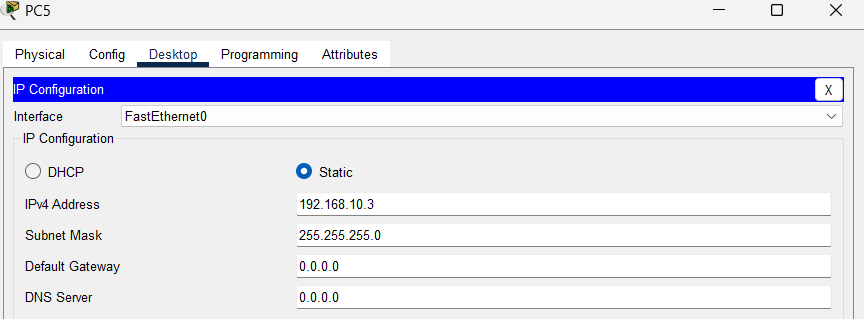
For pc 3



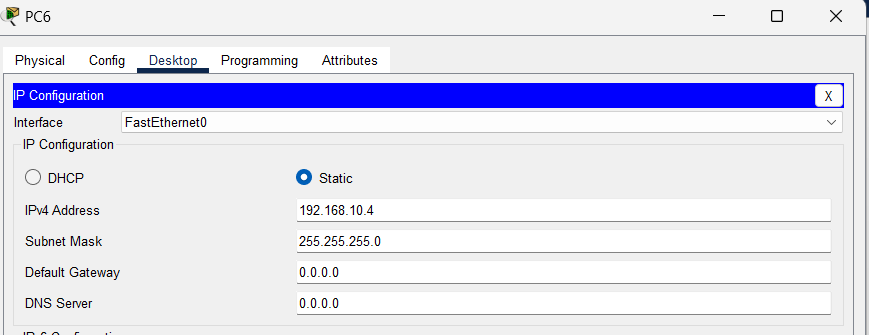
For pc4



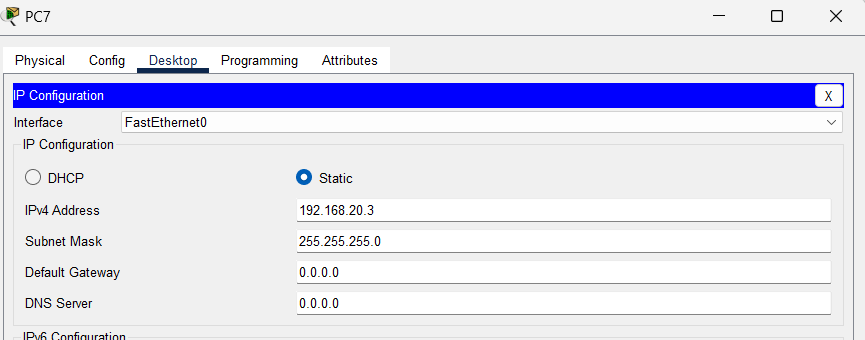
For pc5



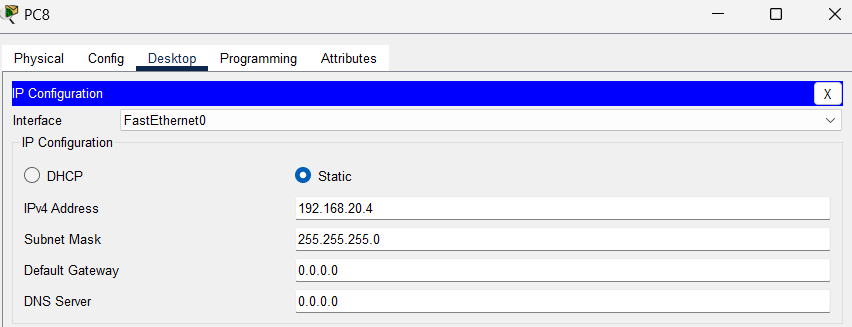
For pc6



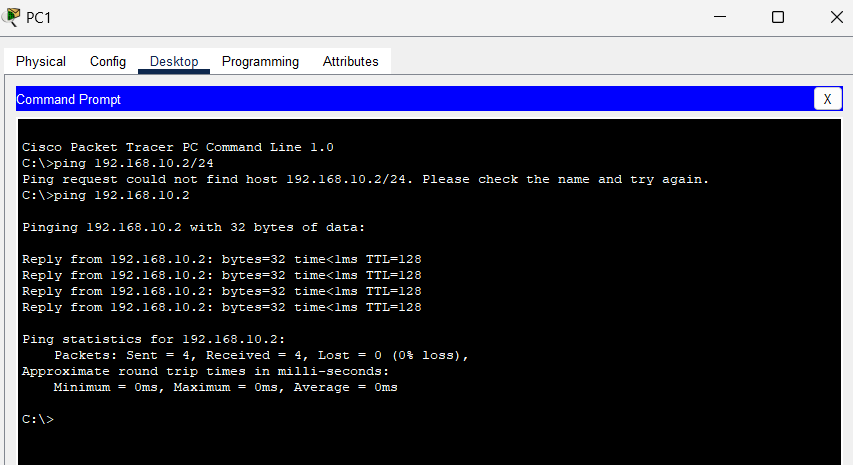
For pc7



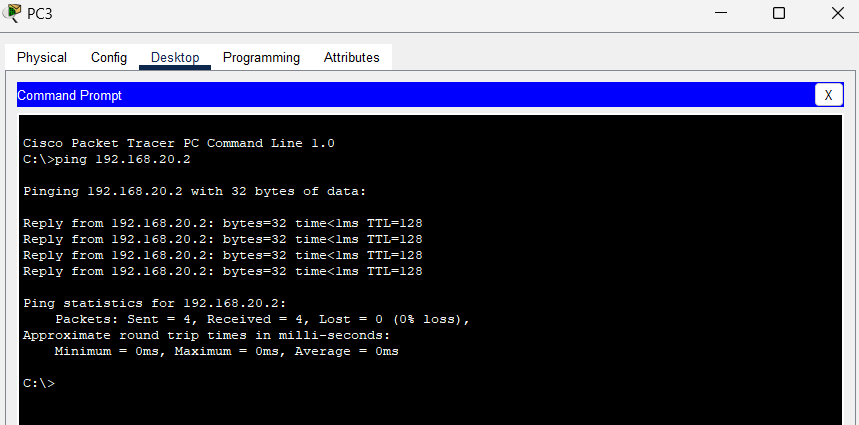
For pc8



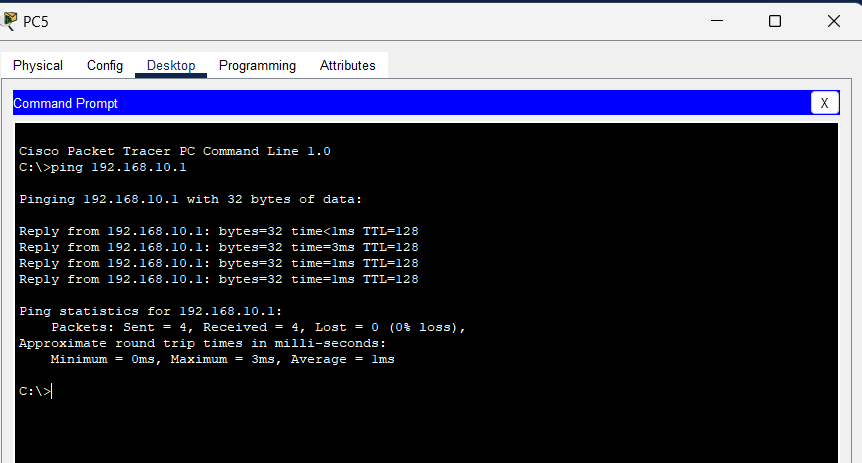
Now **Ping** from **PC1** to **PC2** (both in VLAN 10)



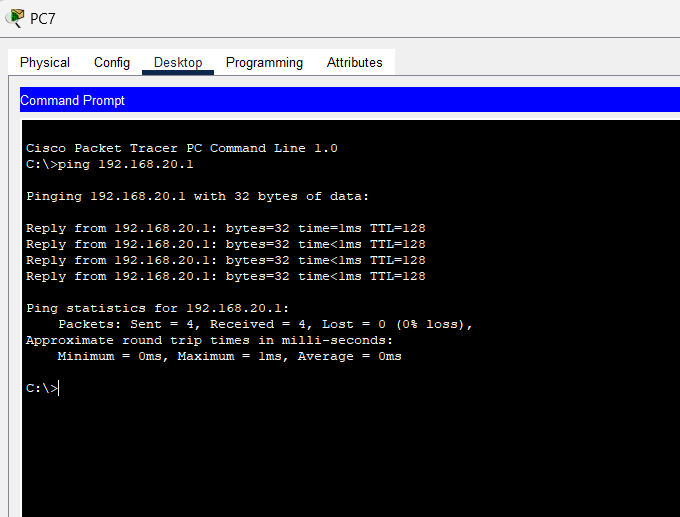
**Ping** from **PC3** to **PC4** (both in VLAN 20)



**Ping** from **PC5** to **PC1** (both in VLAN 10, across switches)

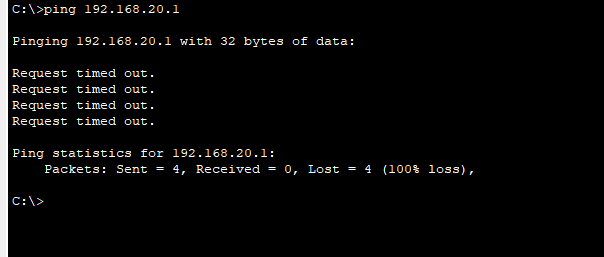


**Ping** from **PC7** to **PC3** (both in VLAN 20, across switches)



Verify **that PCs in different VLANs cannot communicate without a router:**

**Ping** from **PC1** to **PC3** should fail (VLAN 10 to VLAN 20)



**Ping from PC7 to PC1**

