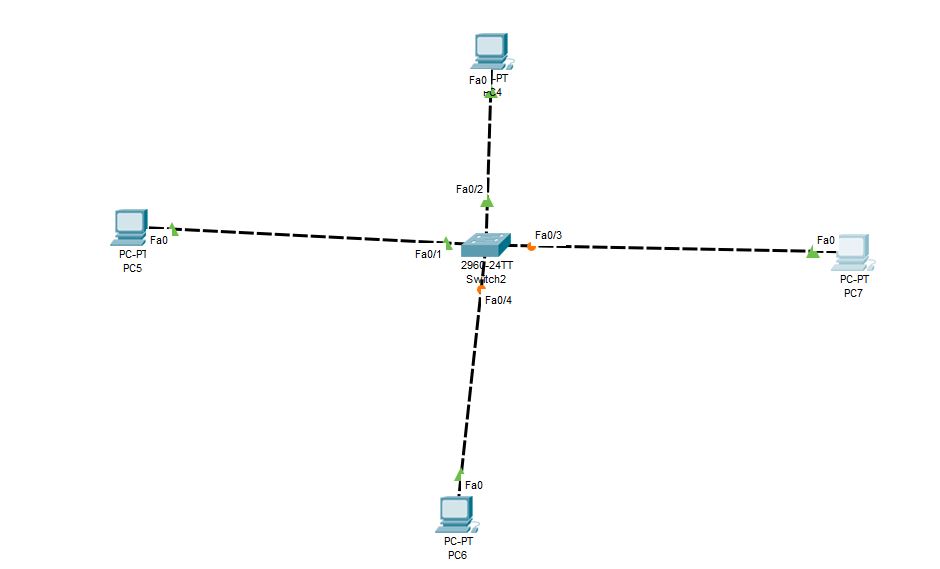
**PRACTICAL 5**

**Network Virtualization (Dividing one LAN into 2)**

**Aim –** Create a LAN network with 4 PC’s and 1 switch. Using network virtualization convert one physical LAN in tow virtual LAN’s.

**Topology –**



**Steps –**

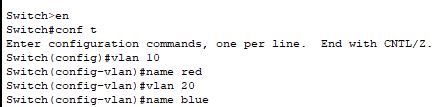
*Step 1: Create Topology as shown above but do not assign the IP address to the PC.*

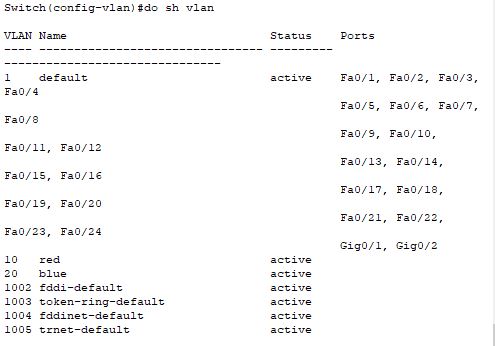
*Step 2: Start CLI for Switch and create tow vlans vlan red and vlan blue.*

**Syntax for creating VLAN:**

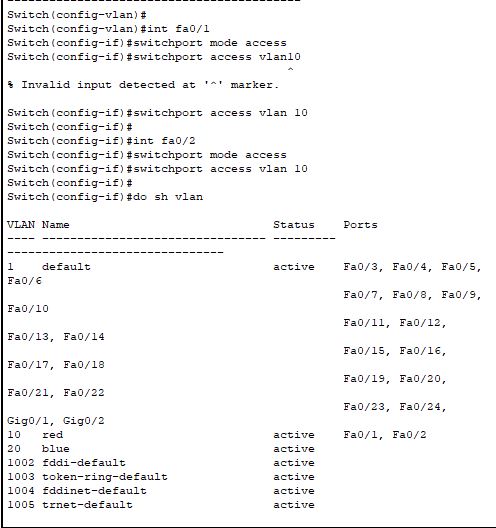
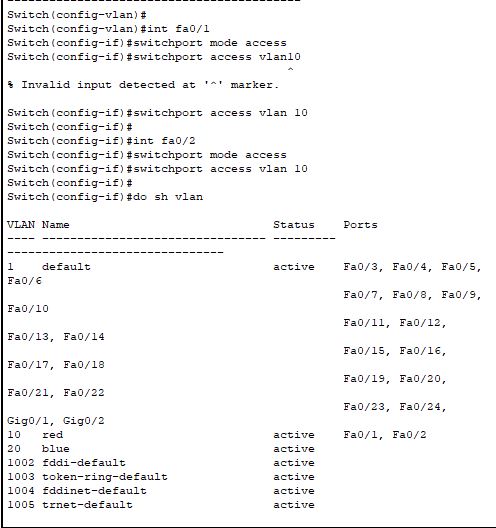
**vlan v\_number**

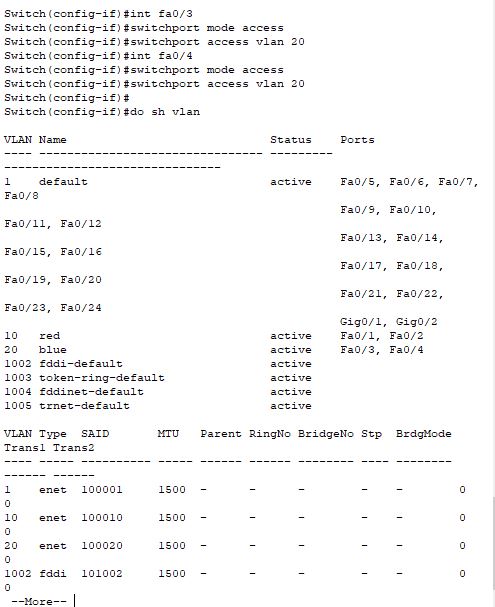
**name v\_name**

**

**

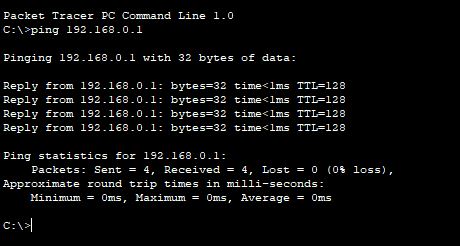
*Step 3: Now, start adding the PC’s to specific vlan*

**

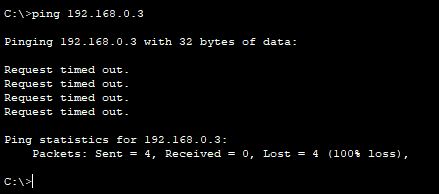
**

*Step 4: Now, When we will ping the PC’s from same VLAN they should give reply and for PC’s from different VLAN they won’t reply.*

**Same VLAN’s**

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**Different VLAN’s**

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