

**Experiment No** : 08  
**Experiment Name** : Configuration of VLAN.

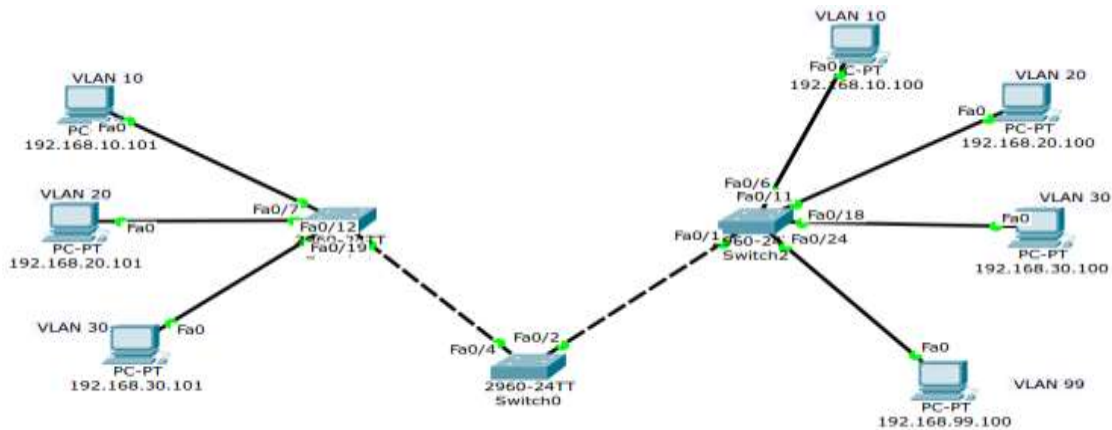
**Objectives:**

In this experiment, we are going to configure VLAN using 'CISCO Packet Tracer'. Here, communication is possible only between PCs under the same VLAN.

Here, we use a sample network diagram it contains 3 switches and 7 PCs. We will configure switch using command line interface.

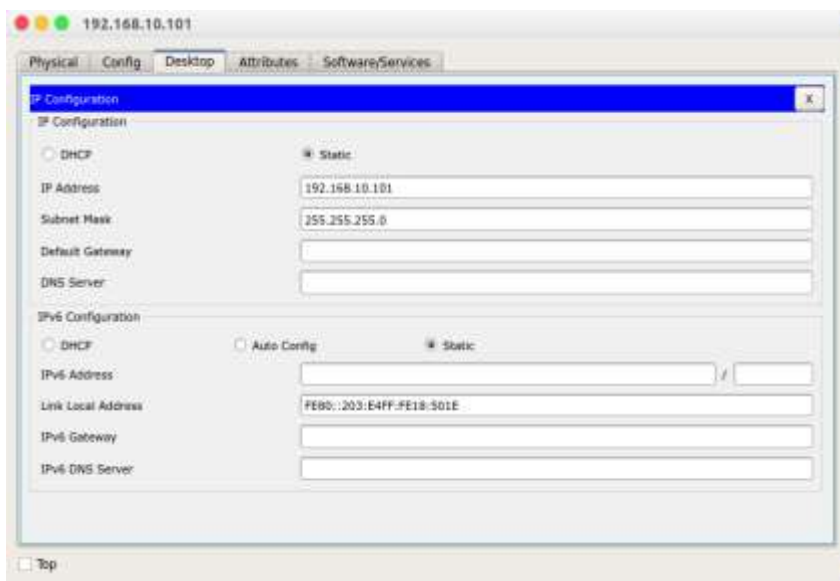
**Design Procedure:**

- Let us implement the network like below and configure the PCs with corresponding IP address. Here we do not need default gateway address for any PC.

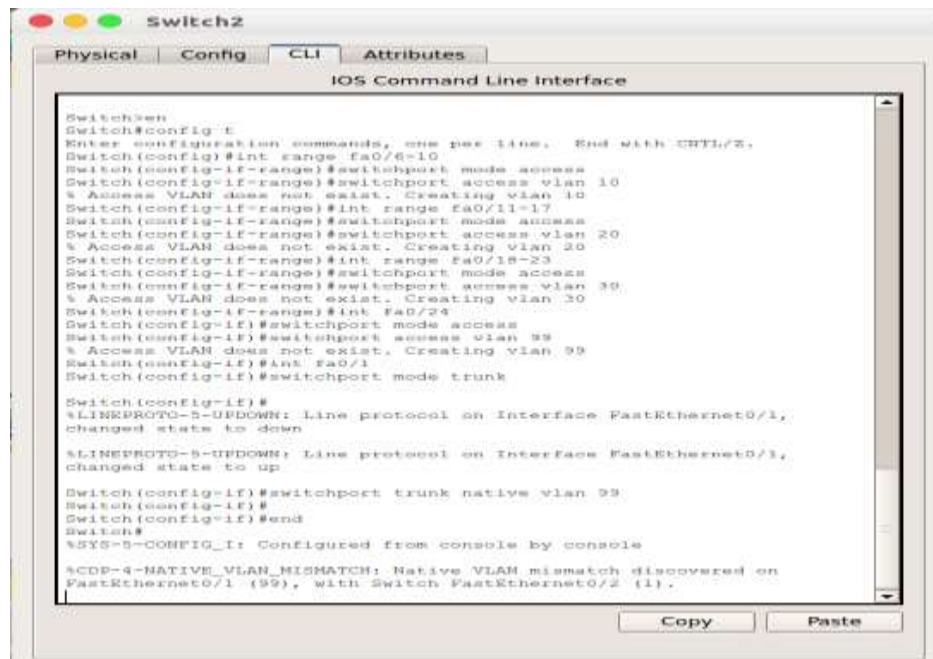
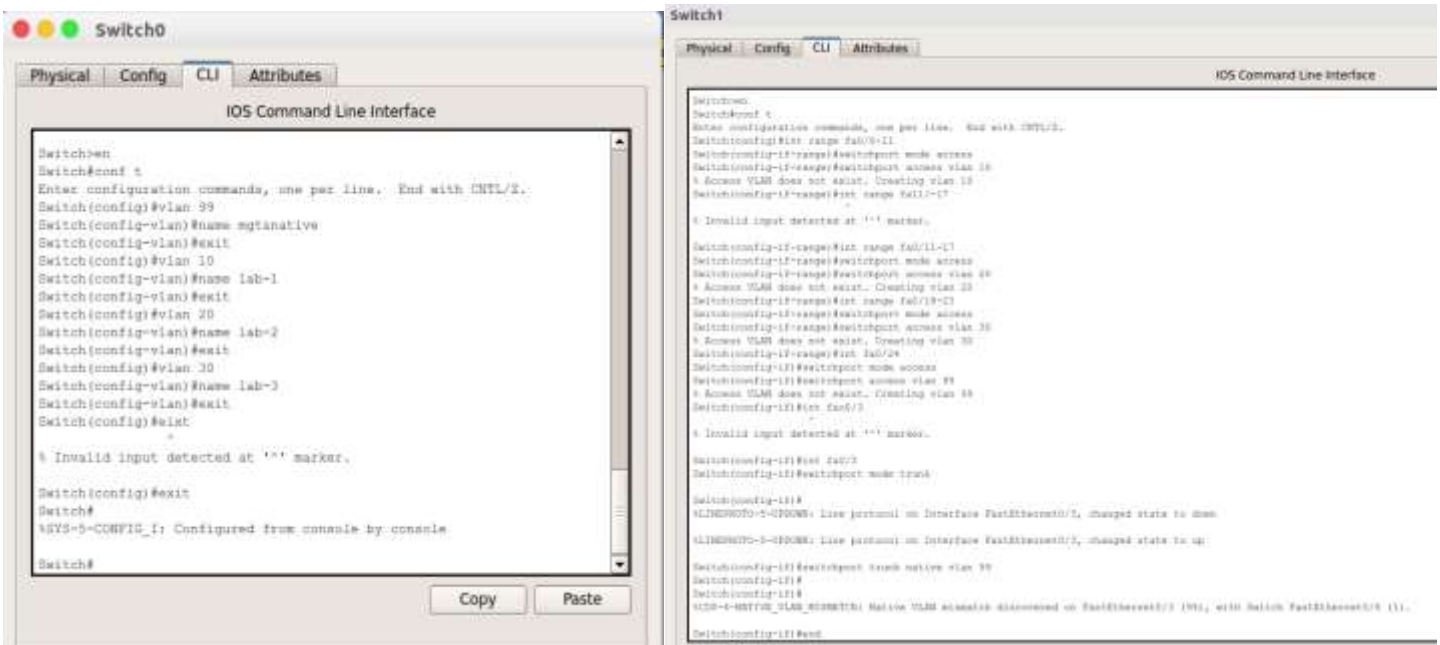


*Illustration 1: Network circuit.*

- PCs IP address is configured like below, example for PC-1:

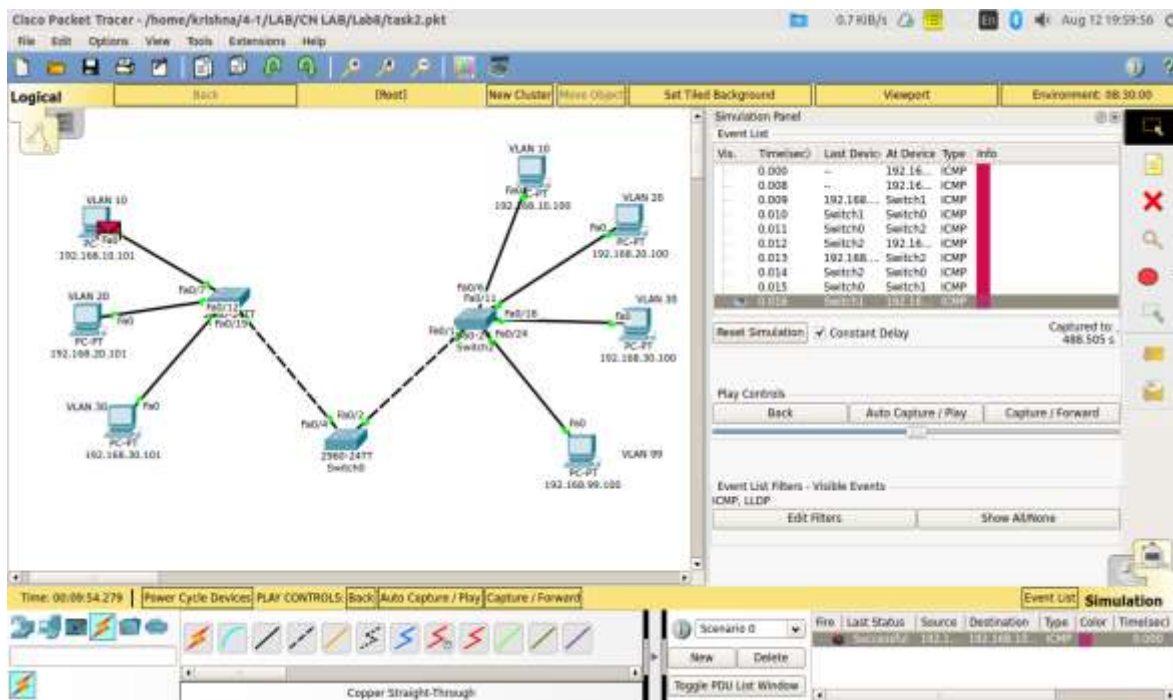


- Configure the switches on CLI, like below:



➤ Packet transferring between two PCs:

1. Two PCs under same VLAN.



2. Two PCs under different VLAN:

