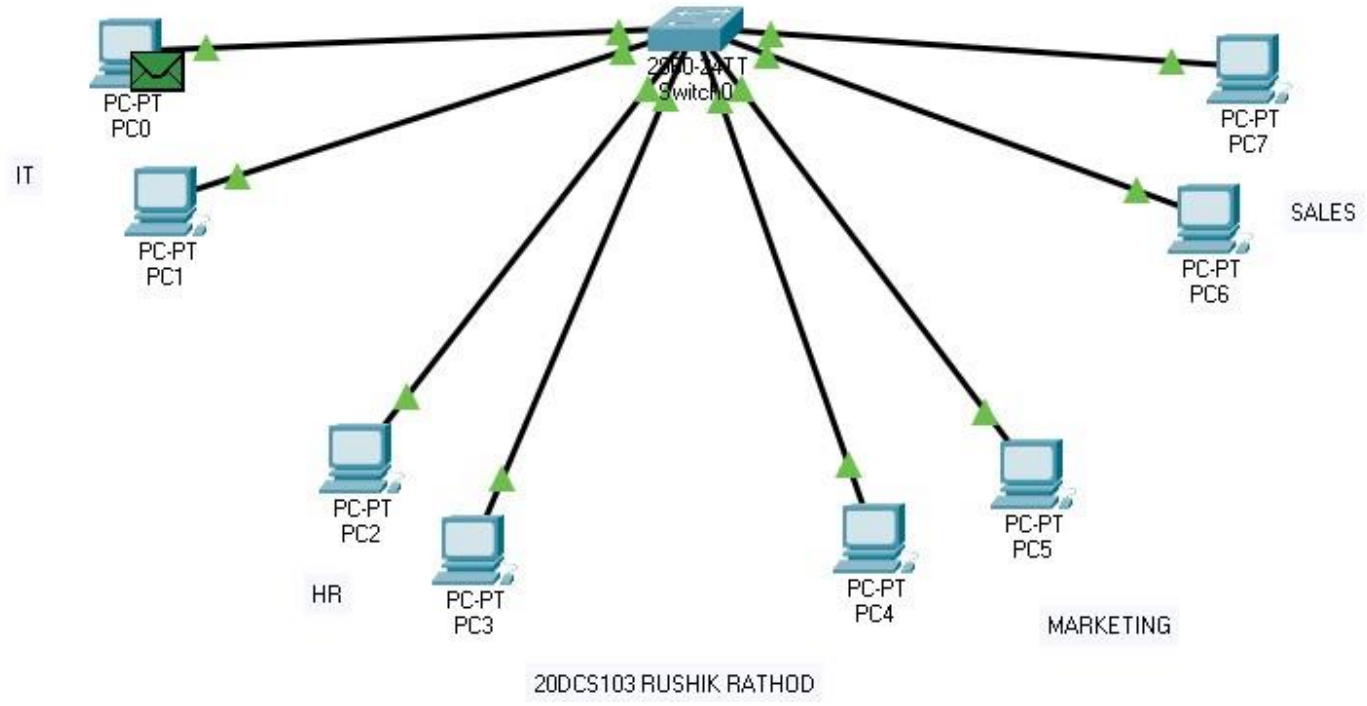
INTERNAL PRACTICAL

AIM:- An arrow company has mainly 4 departments i.e. IT, HR, Marketing, and Sales department. The company wants to configure a single network but virtually divided into 4 departments in such a way that the packets can travel configuration of such network in cisco packet tracer.

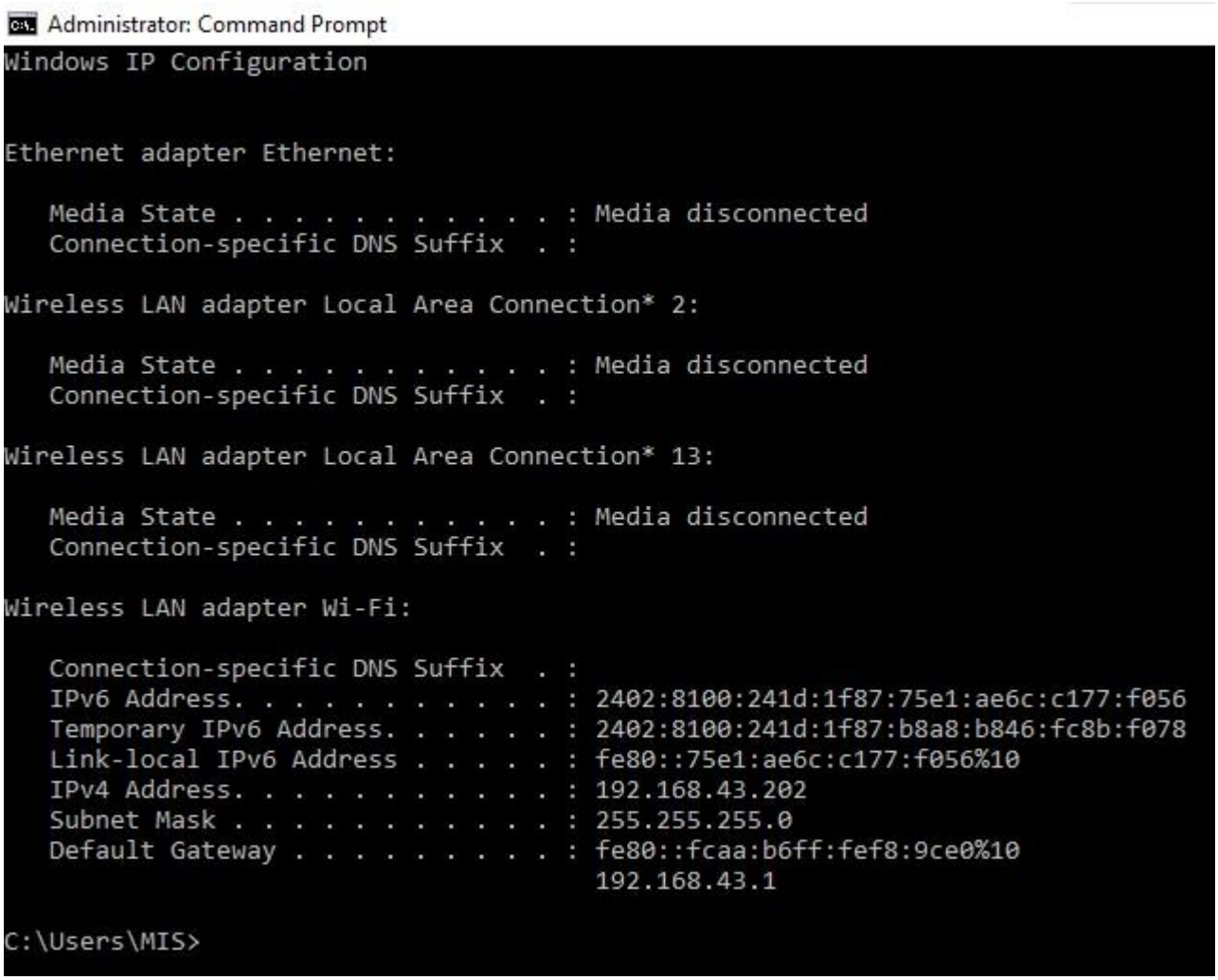
ANSWER:-



- VLAN is basically used to divide different devices logically.
- In this concept the devices with the same broadcast domain will receive the packet which is sent.
- When we want a particular packet to reach to the required destination in the same broadcast and not to reach to the another destinations of the different broadcast, we use this VLAN method.

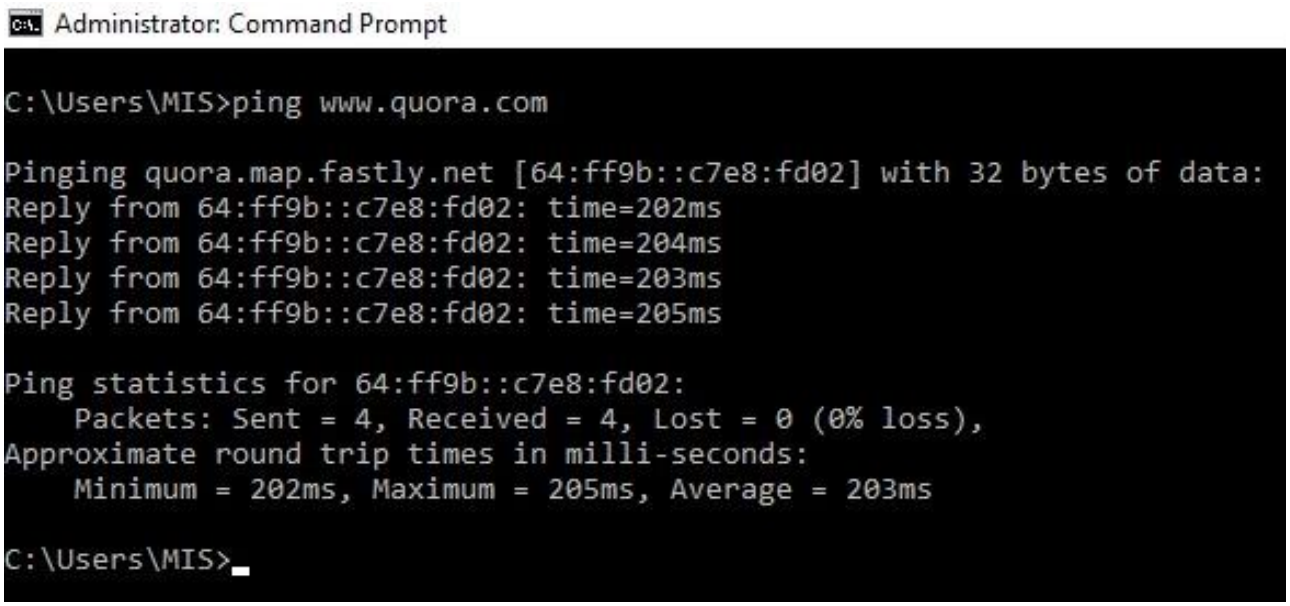
AIM:- Illustration of various networking commands:

1) ipconfig command:



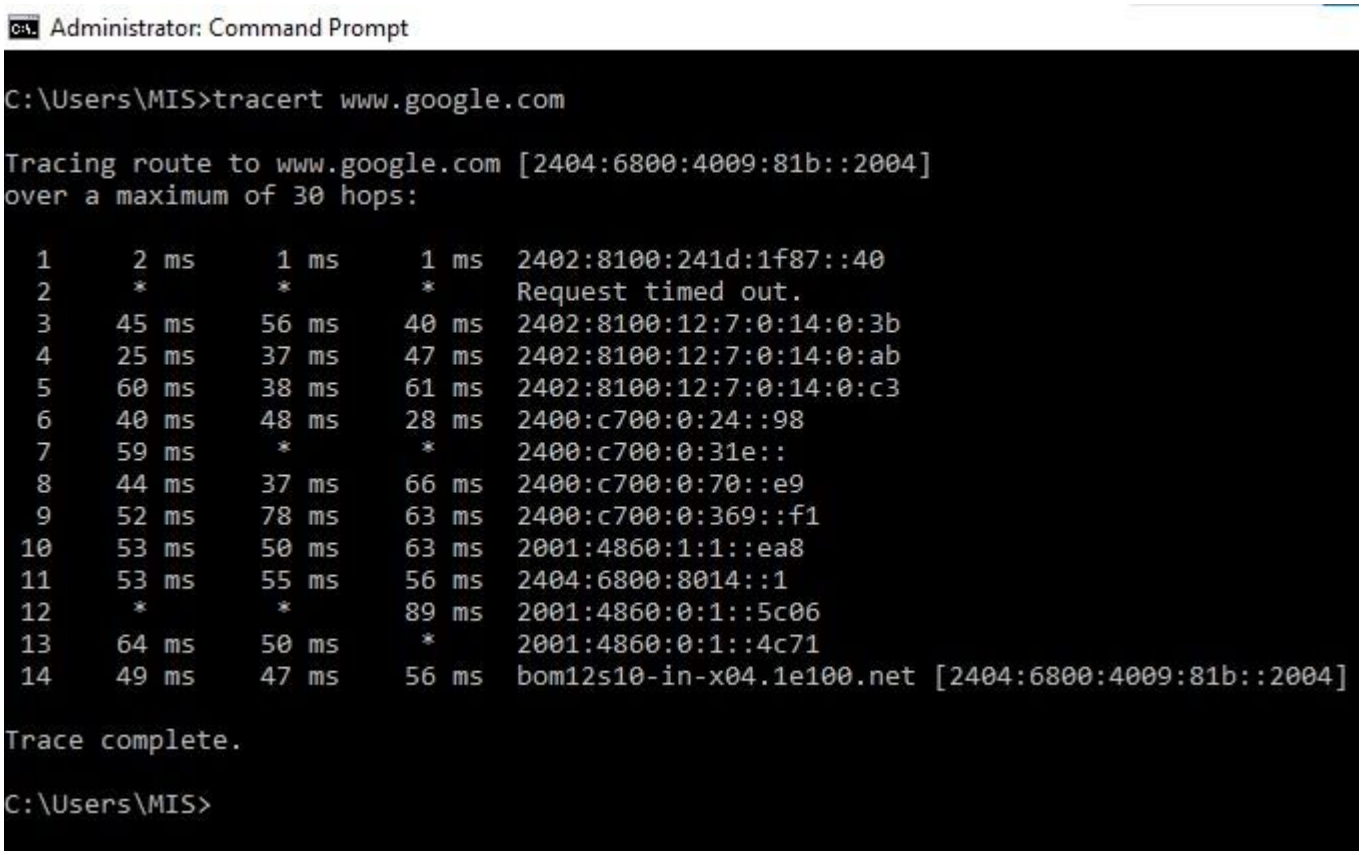
- ipconfig command basically known as Internet Protocol Configuration which is used to get the information regarding the IP address and subnet mask, etc. We can manage the IP address by using ipconfig command.

2) ping command:



- ping command is basically works on Internet Control Message protocol which tests if the networked device is reachable or not.
- It is also used as a simple way to verify that a computer can communicate over the network with another computer or network device.

3) tracert command:



- The tracert command is used to trace the path between two devices.
- It displays the time consumed in the transferring of the data packets.
- It records the route between the two devices (basically computers) situated at long distance.

Thank You !