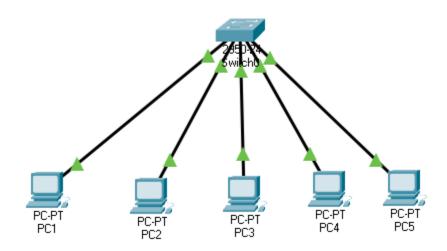
Student Id - 20712068 **Univ. Roll No** - 2001157

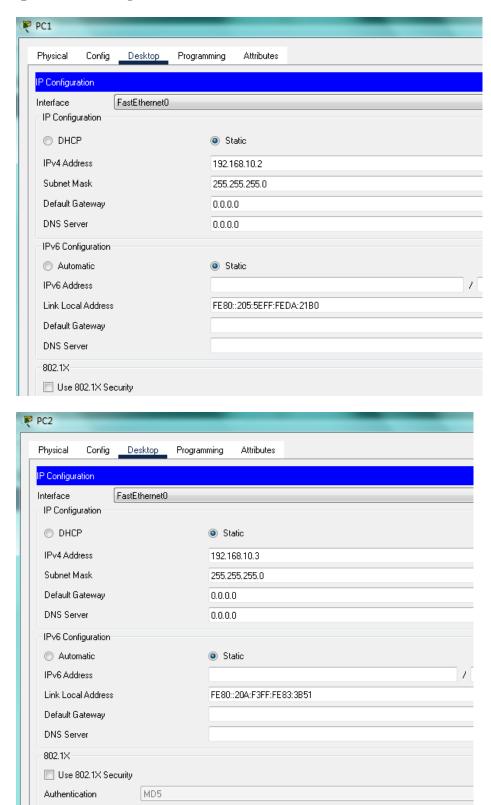
QUESTION 1

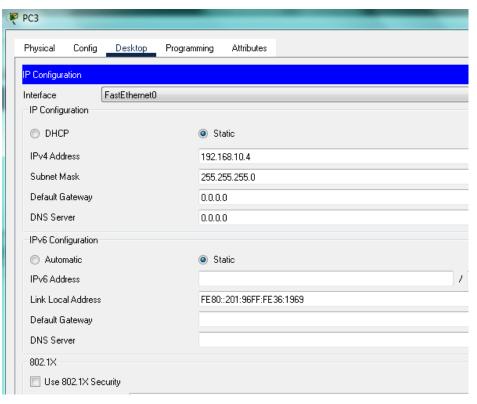
Question : Design a network with five PCs connect with a switch using a packet tracer.

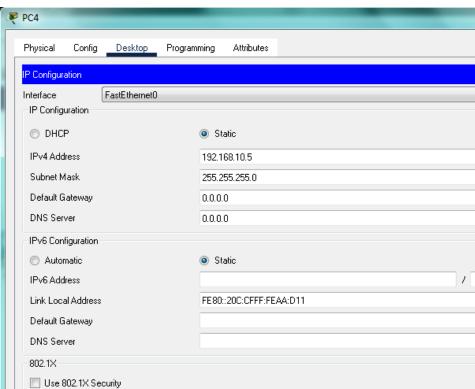
Step 1: Establishing a connection between pc1, pc2, pc3 pc4 and pc5.

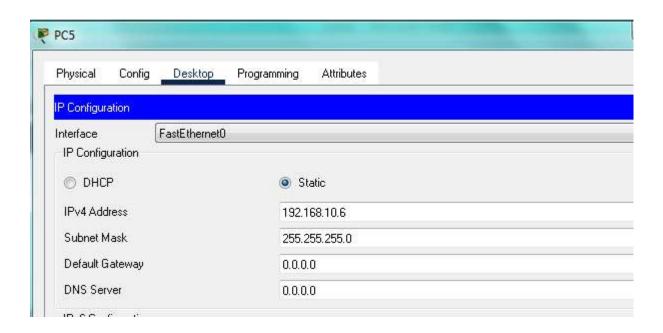


Step 2: Providing IP address to all the PCs.

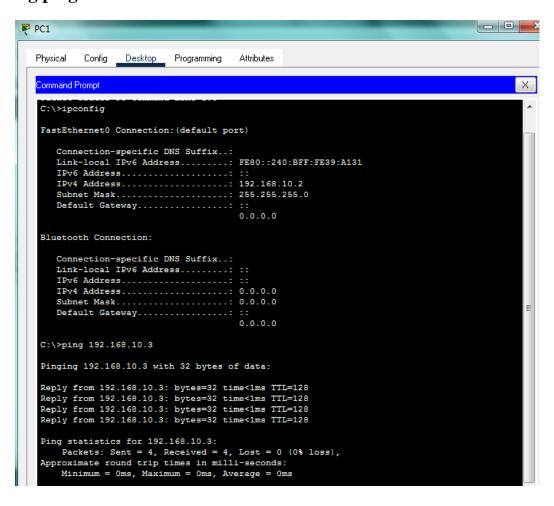


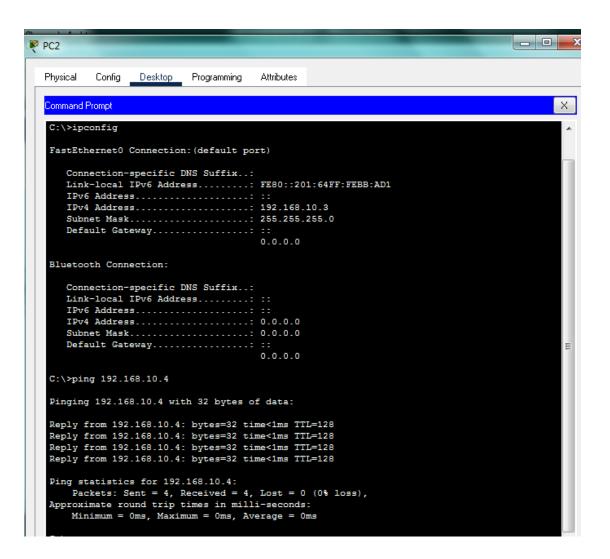


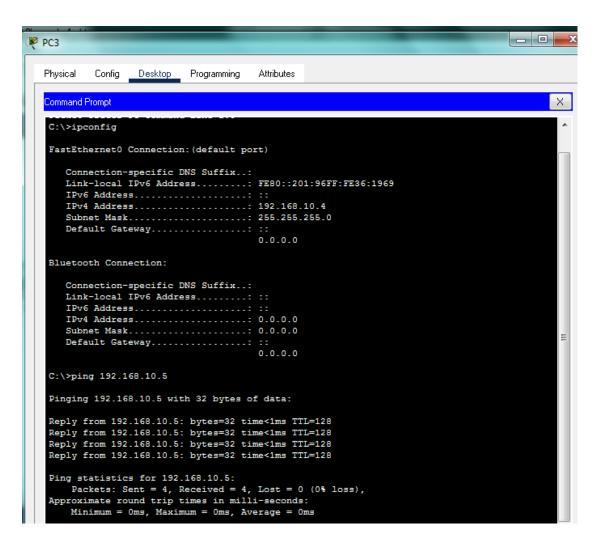


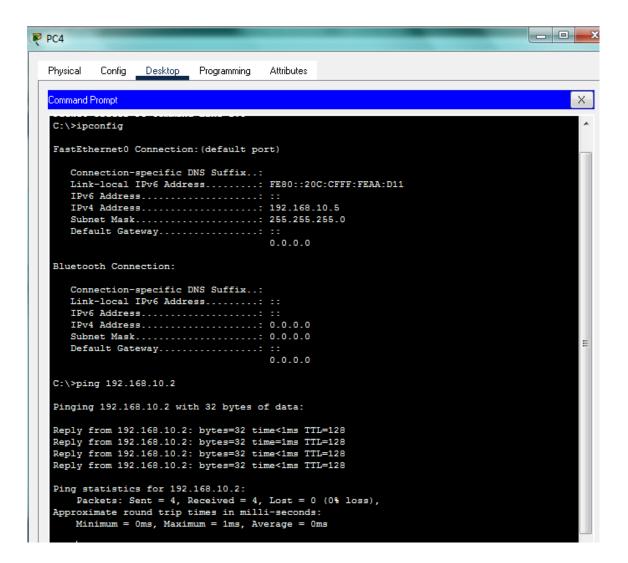


Step 3: Configuring the IP address and connecting all PC with each other using ping command.









```
C:\>ipconfig
FastEthernet0 Connection: (default port)
  Connection-specific DNS Suffix..:
  Link-local IPv6 Address.....: FE80::20B:BEFF:FE6C:CCE8
  IPv6 Address....: ::
  IPv4 Address..... 192.168.10.6
  Subnet Mask..... 255.255.255.0
  Default Gateway....: ::
                                0.0.0.0
Bluetooth Connection:
  Connection-specific DNS Suffix..:
  Link-local IPv6 Address....: ::
  IPv6 Address....: ::
  IPv4 Address..... 0.0.0.0
  Subnet Mask..... 0.0.0.0
  Default Gateway....: ::
                                0.0.0.0
C:\>ping 192.168.10.3
Pinging 192.168.10.3 with 32 bytes of data:
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.3:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
```