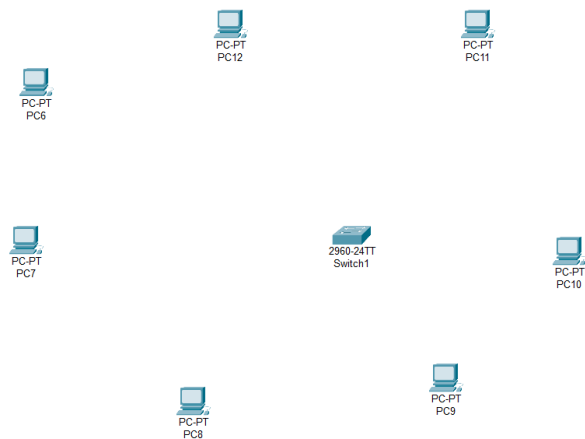
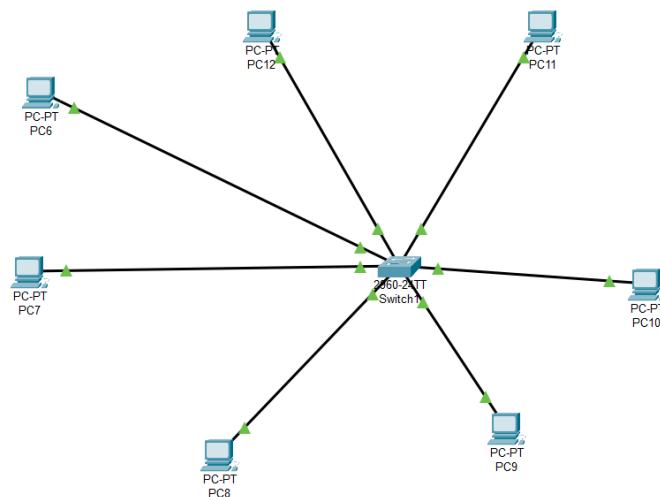
 <b>Marwadi University</b> Marwadi Chandarana Group	<b>Marwadi University</b> <b>Faculty of Engineering and Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Subject: Computer Networks (01CT0503)</b>	<b>Aim: Simulate star topology and check the connectivity between devices.</b>	
<b>Experiment No: 03</b>	<b>Date: 22-08-2024</b>	<b>Enrolment No: 92200133030</b>


**Aim:** Simulate star topology and check the connectivity between devices.

**Step-1:-** Take One Switch and Multiple PC's.

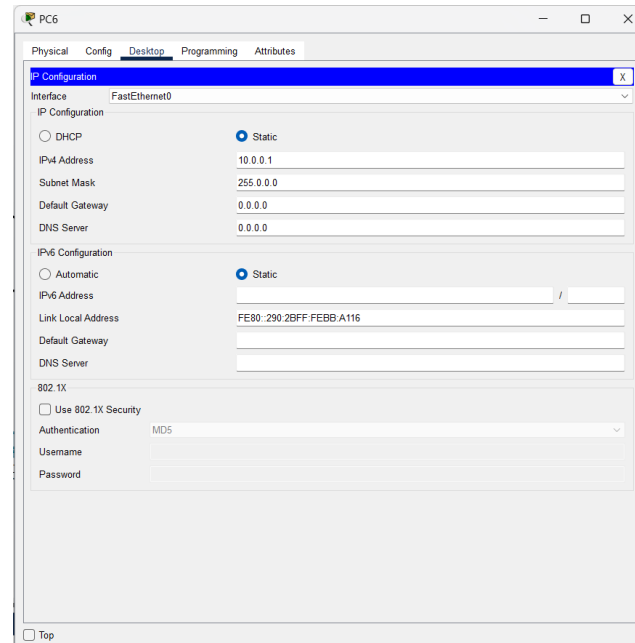


**Step-2 :-** Now Connect them using Copper Straight Connection Cabel.

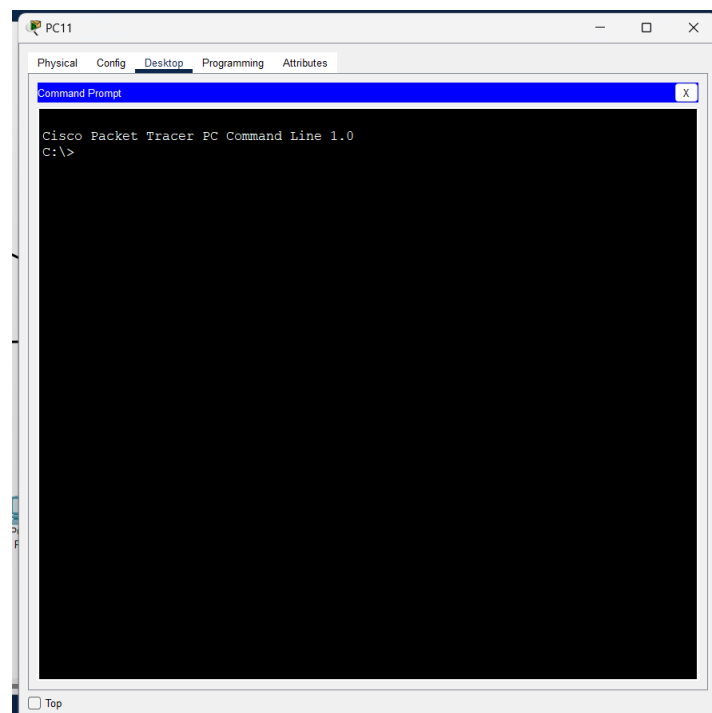



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<b>Subject: Computer Networks (01CT0503)</b>	<b>Aim: Simulate star topology and check the connectivity between devices.</b>	
<b>Experiment No: 03</b>	<b>Date: 22-08-2024</b>	<b>Enrolment No: 92200133030</b>

Step – 3 :- Now Configure all the PC's with Different IP Address and Same subnet mask

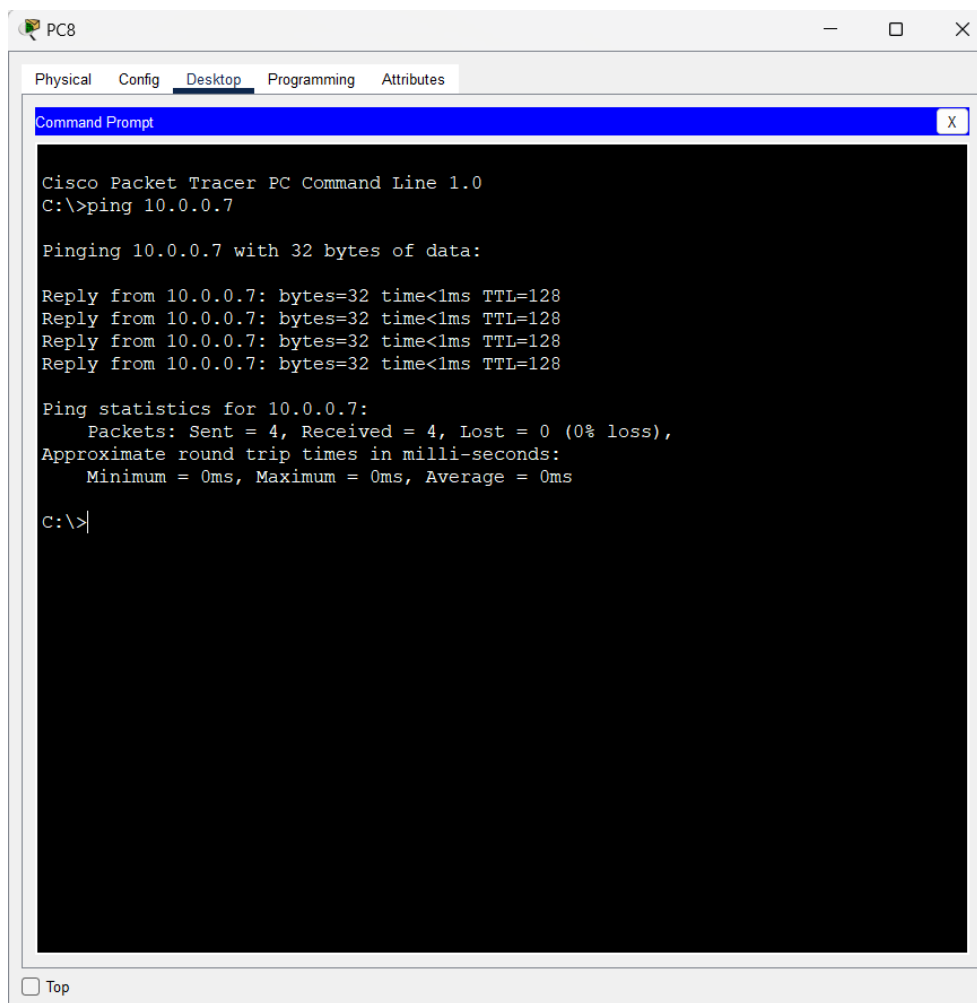


Step – 4 :- Now open command prompt of any one of that PC's



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<b>Subject: Computer Networks (01CT0503)</b>	<b>Aim: Simulate star topology and check the connectivity between devices.</b>	
<b>Experiment No: 03</b>	<b>Date: 22-08-2024</b>	<b>Enrolment No: 92200133030</b>

Step – 5 :- Now run command “ping ip\_address” where ip\_address is your destination ip address.



```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.7

Pinging 10.0.0.7 with 32 bytes of data:

Reply from 10.0.0.7: bytes=32 time<1ms TTL=128
Reply from 10.0.0.7: bytes=32 time<1ms TTL=128
Reply from 10.0.0.7: bytes=32 time<1ms TTL=128
Reply from 10.0.0.7: bytes=32 time<1ms TTL=128

Ping statistics for 10.0.0.7:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>

```

It shows the successful connection.

### **Conclusion:-**

By Performing this Experiment, I came to Know about star topology how to configure the IP address and ho to check the successful connection between two pc’s—and learnt how the topologies are actually implemented.