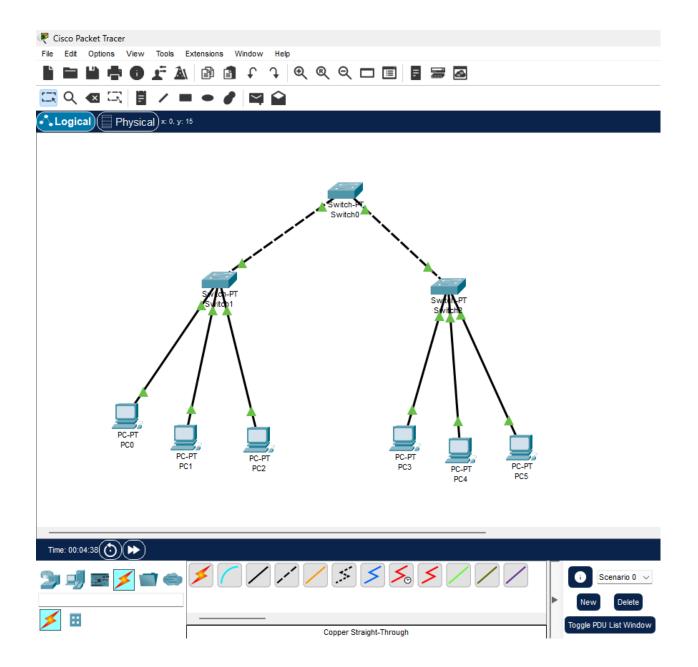
## TREE TOPOLOGY

Step 1: First, open the Cisco packet tracer desktop and select the devices given below:

S.NO	Device	Model-Name
1.	PC	PC
2.	switch	PT-switch

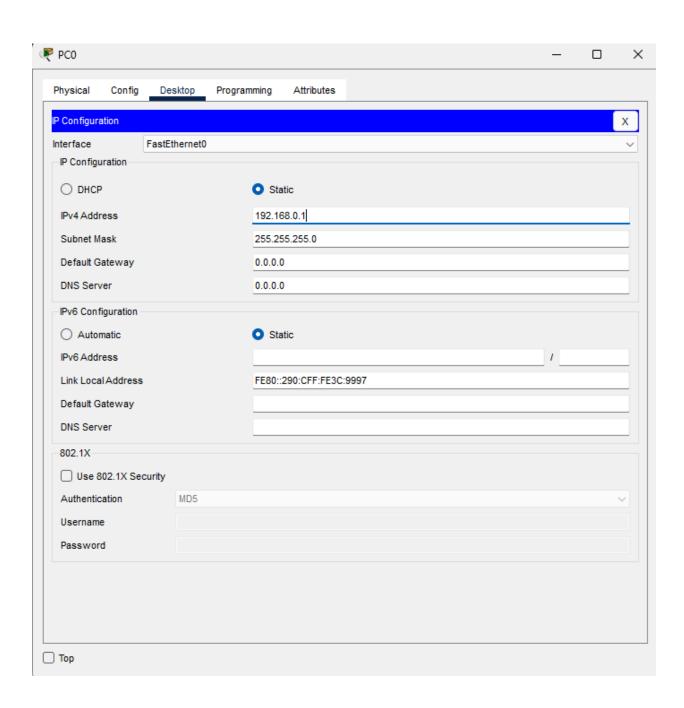
S.NO	Device	IPv4 Address	Subnet Mask
1.	рс0	192.168.0.1	255.255.255.0
2.	pc1	192.168.0.2	255.255.255.0
3.	pc2	192.168.0.3	255.255.255.0
4.	рс3	192.168.0.4	255.255.255.0
5.	pc4	192.168.0.5	255.255.255.0
6.	pc5	192.168.0.6	255.255.255.0

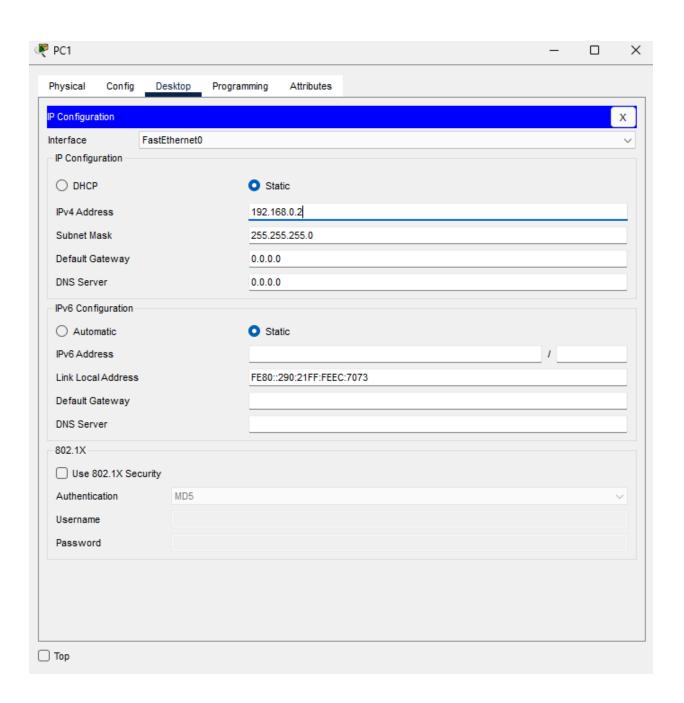
Use an Automatic connecting cable to connect the devices with others.

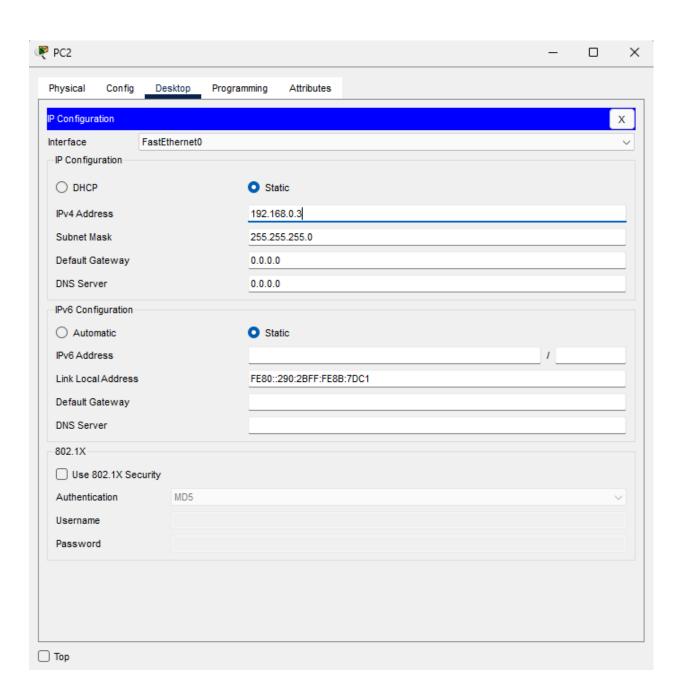


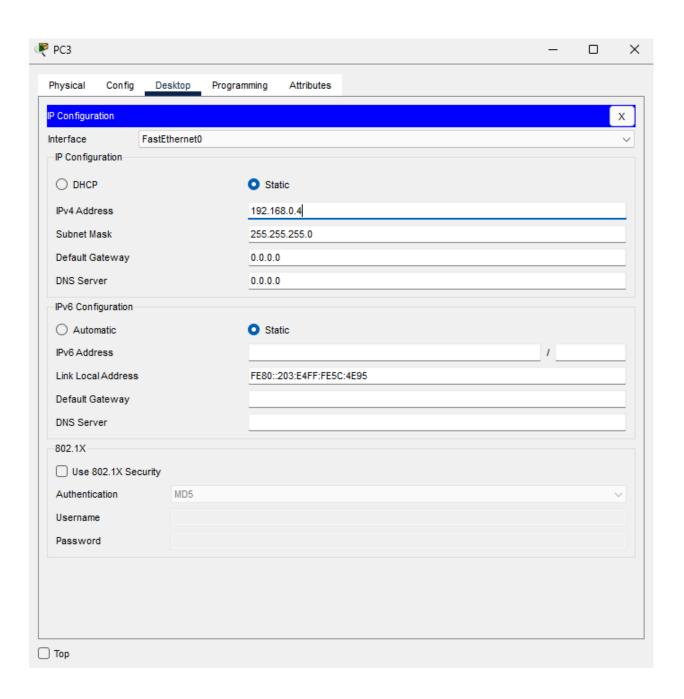
<u>Step 2:</u> Configure the PCs (hosts) with IPv4 address and Subnet Mask according to the IP addressing table given above.

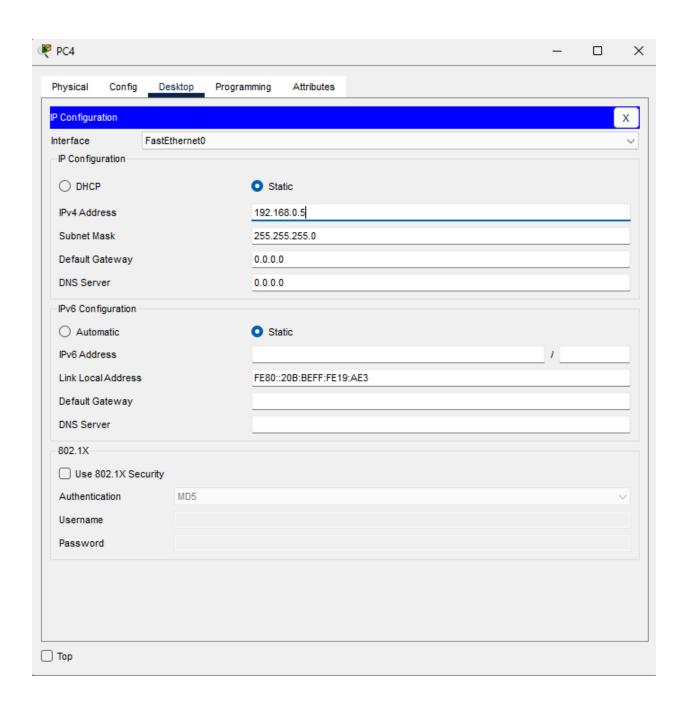
- To assign an IP address in PC0, click on PC0.
- Then, go to desktop and then IP configuration and there you will IPv4 configuration.
- Fill IPv4 address and subnet mask.

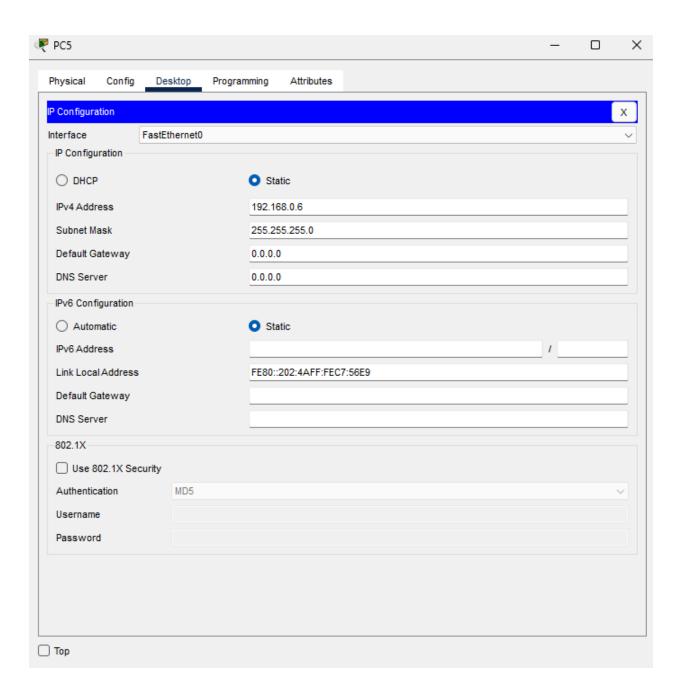






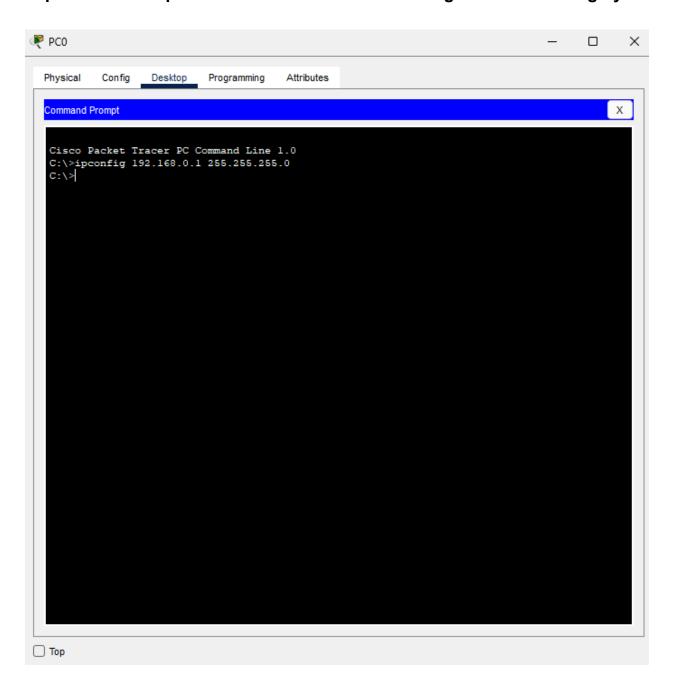


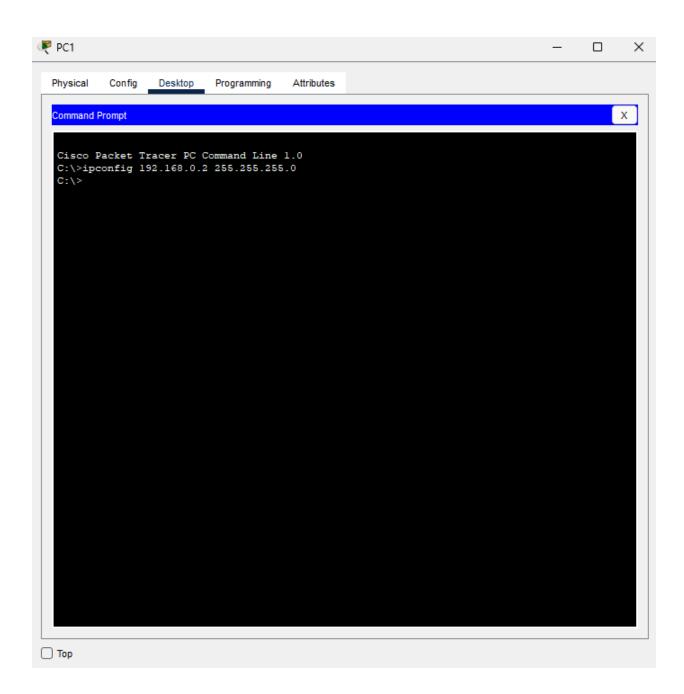


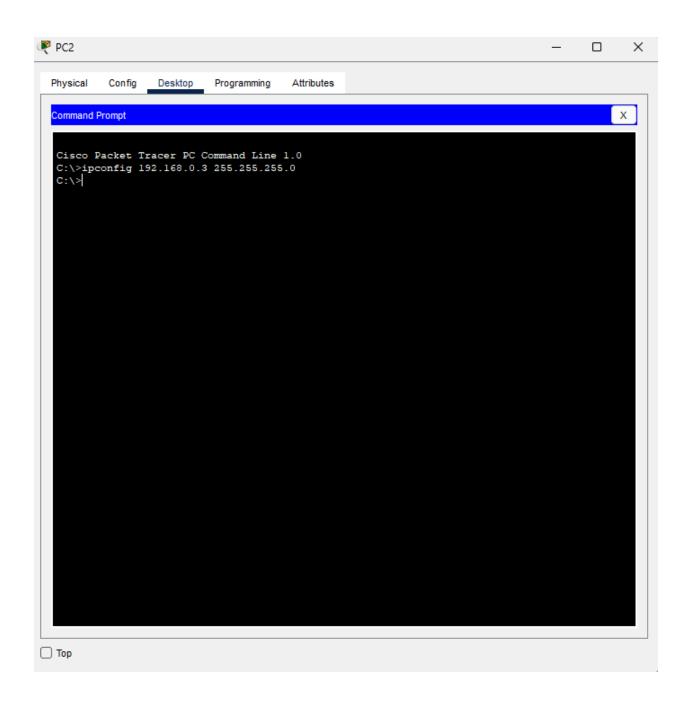


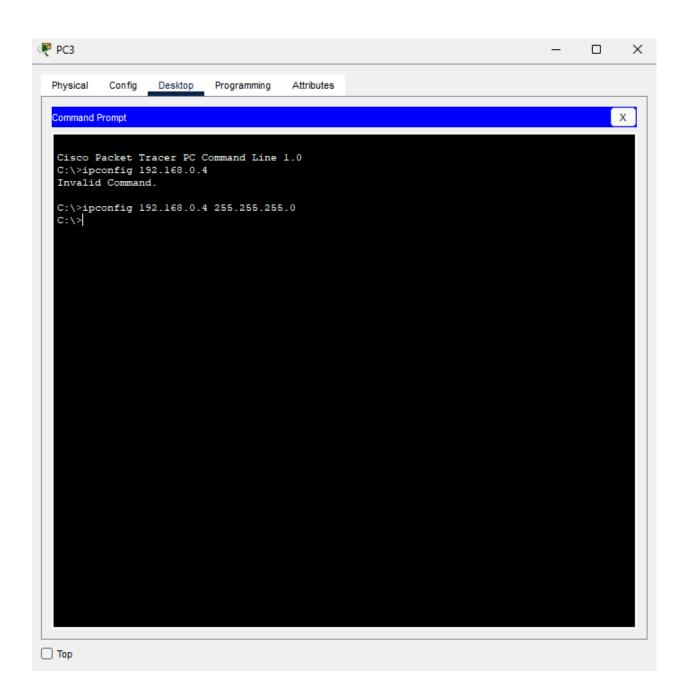
- Assigning an IP address using the ipconfig command, or we can also assign an IP address with the help of a command.
- Go to the command terminal of the PC.
- Then, type ipconfig <IPv4 address&gt;&lt;subnet mask&gt;
- ipconfig 192.168.0.1 255.255.255.0

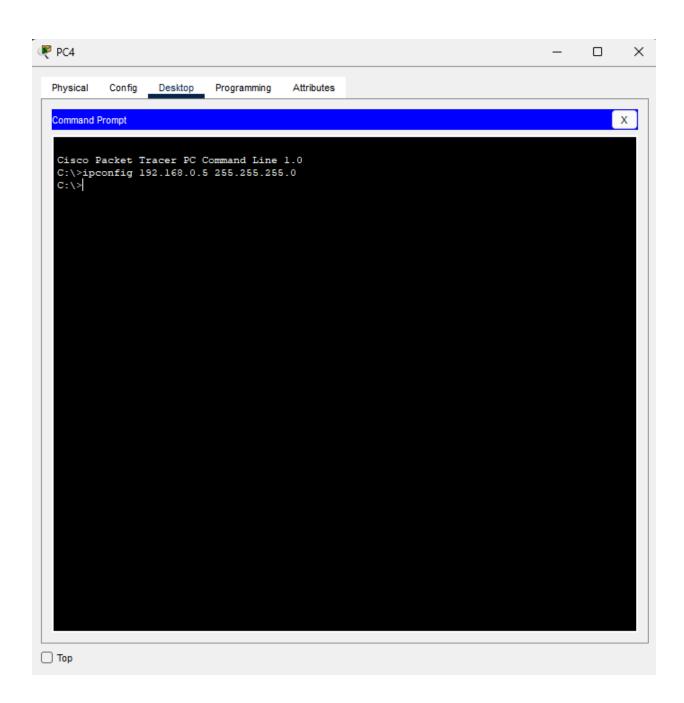
Repeat the same procedure with other PCs to configure them thoroughly.

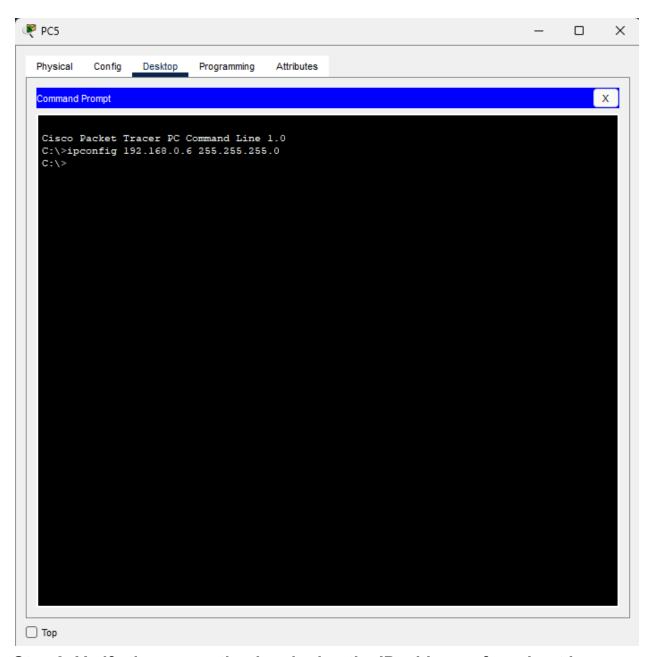












**Step 3:** Verify the connection by pinging the IP address of any host in PC0.

- Use the ping command to verify the connection.
- We will check if we are getting any replies or not.
- If we can see, we are getting replies from a targeted node on both PCs.
- Hence the connection is verified.

