## **MESH 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

## IP addressing values to be given as shown in the table below:

S.NO	Device	IPv4 Address	Subnet Mask
1.	pc0	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

Then, create a network topology as shown below the image. Use an Automatic connecting cable to connect the devices with others.

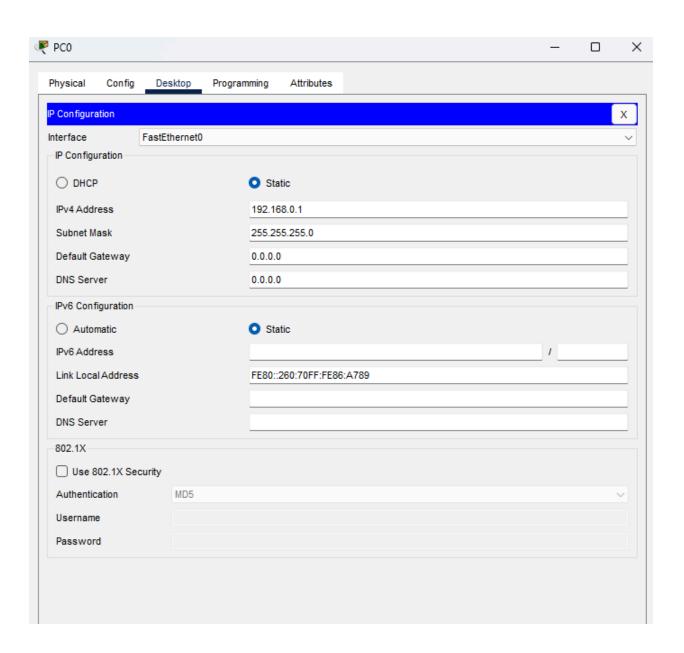
**Step 2:** Configure the PCs (hosts) with IPv4 address and Subnet Mask according to the IP addressing table given above.

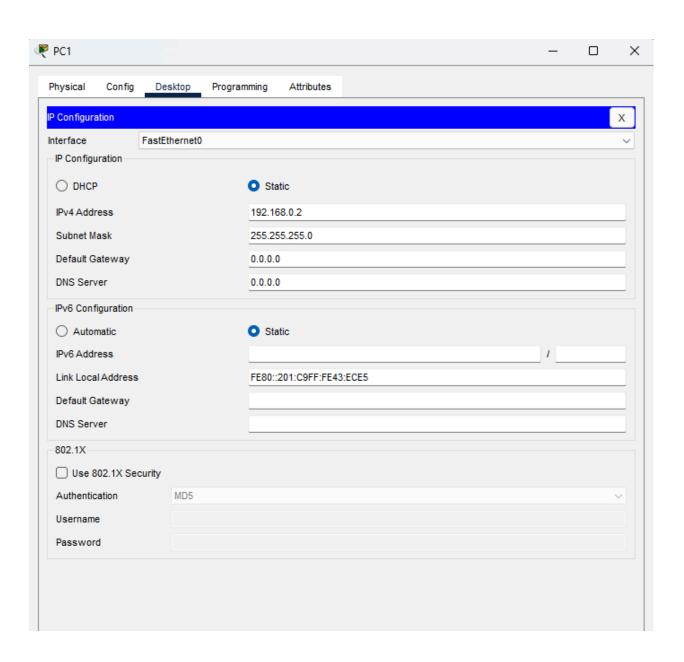
Scenario 0 V

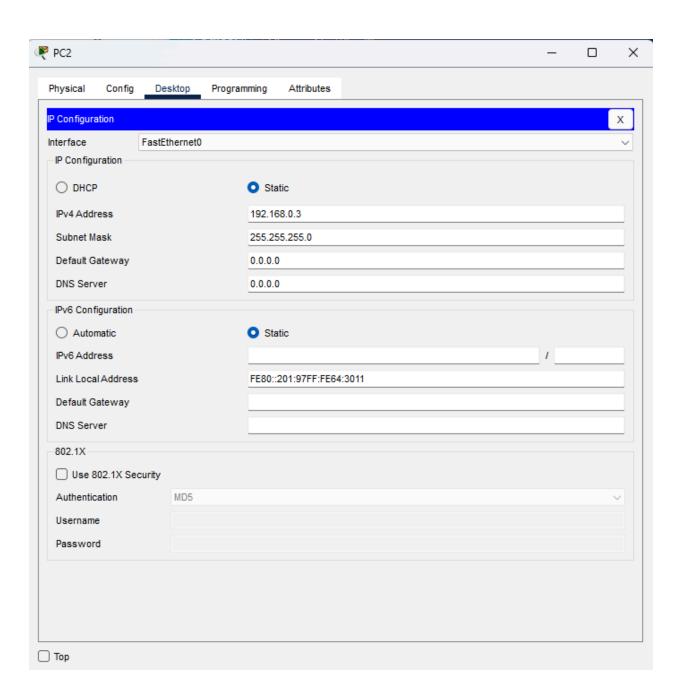
To assign an IP address in PC0, click on PC0.

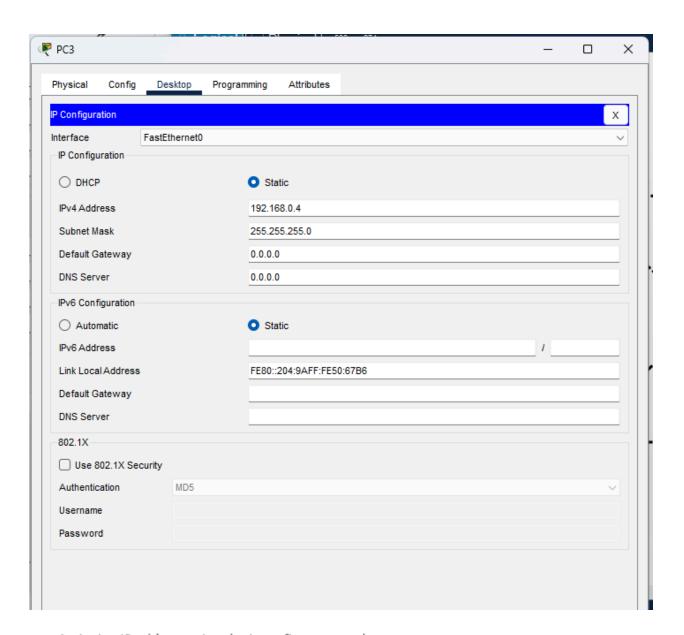
- Then, go to desktop and then IP configuration and there you will IPv4 configuration.
- · Fill IPv4 address and subnet mask.

**/** m









Assigning IP address using the ipconfig command.

Also, 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><subnet mask><default gateway>(if needed)

ipconfig 192.168.0.1 255.255.255.0

```
Physical Config Desktop Programming Attributes

Command Prompt

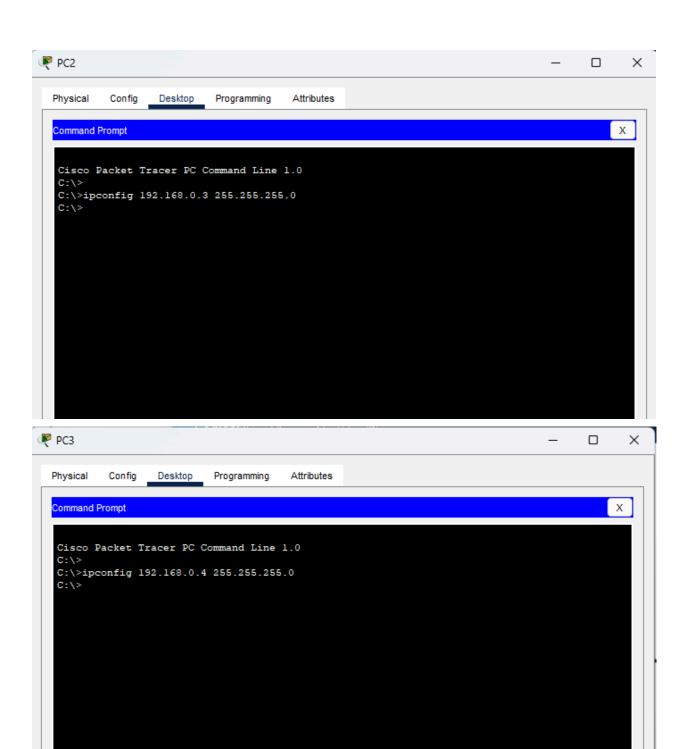
Cisco Packet Tracer PC Command Line 1.0
C:\>
C:\>ipconfig 192.168.0.1 255.255.255.0
C:\>
```

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

```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>
C:\>ipconfig 192.168.0.2 255.255.0
C:\>
C:\>
```



## Step 3: Verify the connection by pinging the IP address of any host in PCO.

Use the ping command to verify the connection.

We will check if we are getting any replies or not.

If we get replies from a targeted node on both PCs.

Then we can say the connection is verified.

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PC0
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                                                                                        Physical
          Config
                  Desktop
                           Programming
                                        Attributes
 Command Prompt
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  Cisco Packet Tracer PC Command Line 1.0
 C:\>ipconfig 192.168.0.1 255.255.255.0
 C:\>
 C:\>ping 192.168.0.2
  Pinging 192.168.0.2 with 32 bytes of data:
  Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
  Ping statistics for 192.168.0.2:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
      Minimum = Oms, Maximum = Oms, Average = Oms
  C:\>
```

