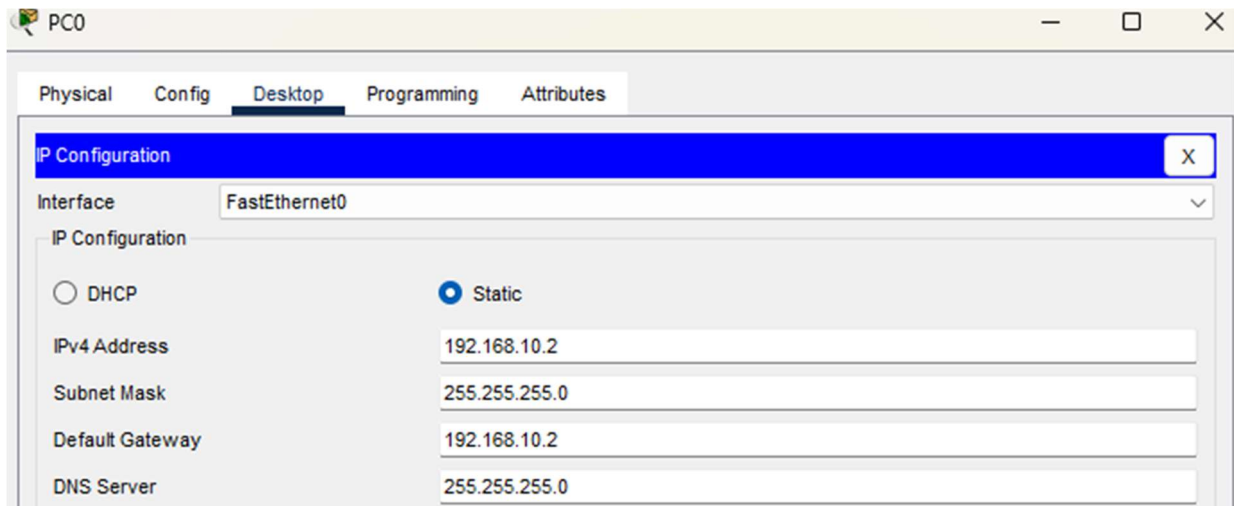


Implementation :-

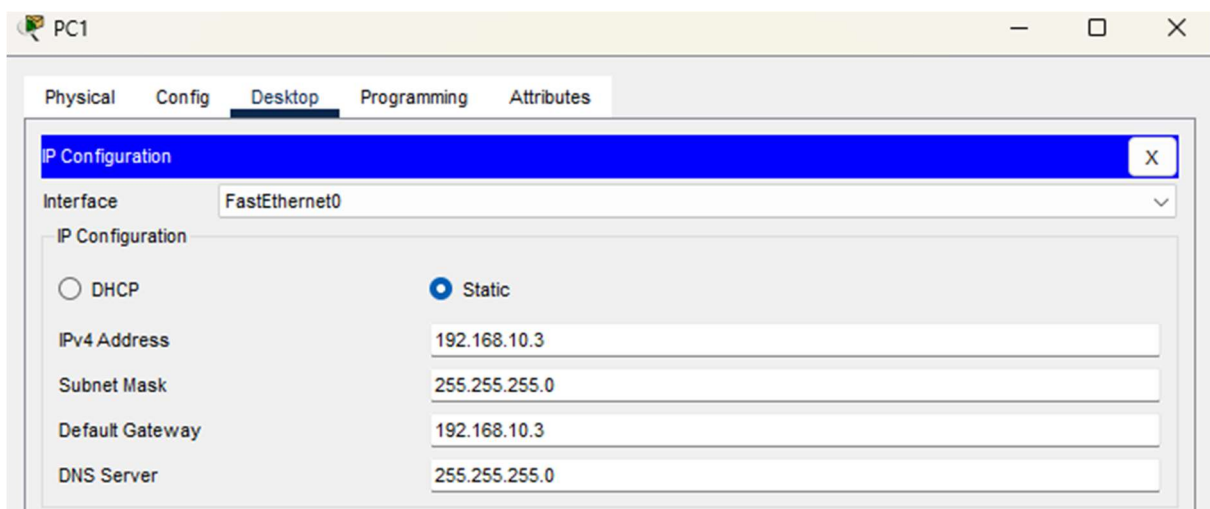
- **Configure PC0:**



The screenshot shows the configuration window for PC0. The 'Desktop' tab is selected. The 'IP Configuration' section is expanded, showing the 'FastEthernet0' interface. The 'Static' radio button is selected for the IP configuration method. The fields are filled with the following values:

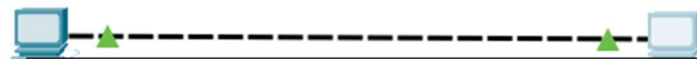
Field	Value
Interface	FastEthernet0
IP Configuration	Static
IPv4 Address	192.168.10.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.10.2
DNS Server	255.255.255.0

- **Configure PC1:**



The screenshot shows the configuration window for PC1. The 'Desktop' tab is selected. The 'IP Configuration' section is expanded, showing the 'FastEthernet0' interface. The 'Static' radio button is selected for the IP configuration method. The fields are filled with the following values:

Field	Value
Interface	FastEthernet0
IP Configuration	Static
IPv4 Address	192.168.10.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.10.3
DNS Server	255.255.255.0

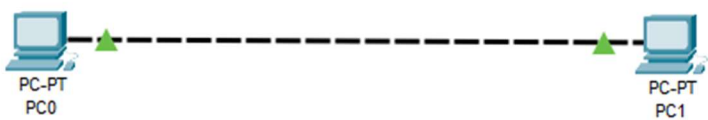


Device Name: PC0
Device Model: PC-PT

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	192.168.10.2/24	<not set>	000C.CF11.E163
Bluetooth	Down	<not set>	<not set>	00D0.97EB.8431

Gateway: 192.168.10.2
DNS Server: 255.255.255.0
Line Number: <not set>

Physical Location: Intercity > Home City > Corporate Office > PC0



Device Name: PC1
Device Model: PC-PT

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	192.168.10.3/24	<not set>	0005.5EC8.3DE4
Bluetooth	Down	<not set>	<not set>	000C.CF0B.B043

Gateway: 192.168.10.3
DNS Server: 255.255.255.0
Line Number: <not set>

Physical Location: Intercity > Home City > Corporate Office > PC1

Now we set the IP address of the devices as follows :

Host Name	IP Address
PC0	192.168.10.2
PC1	192.168.10.3

In order to check the connectivity we send a ping command from PC0 to PC1 as follows :-

```
Cisco Packet Tracer PC Command Line 1.0
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=3ms TTL=128
Reply from 192.168.10.3: bytes=32 time=20ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time=22ms 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 = 22ms, Average = 11ms
```

Similarly the ping message can be checked for all the devices.

Result:

Hence the Connectivity of the network has been verified.