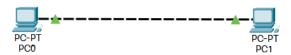
Name: Brijesh Rameshbhai Rohit

Admission number: U19CS009

## **CN-LAB-ASSIGNMENT-03**

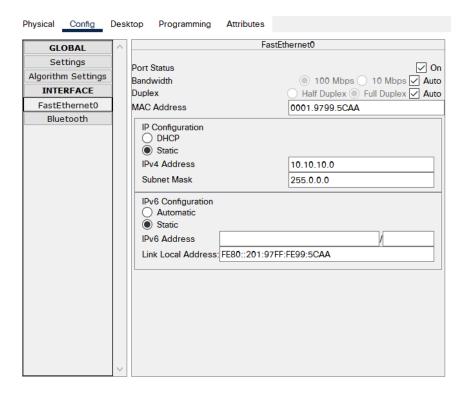
### Network of 2 PCs connected as end-to-end devices:

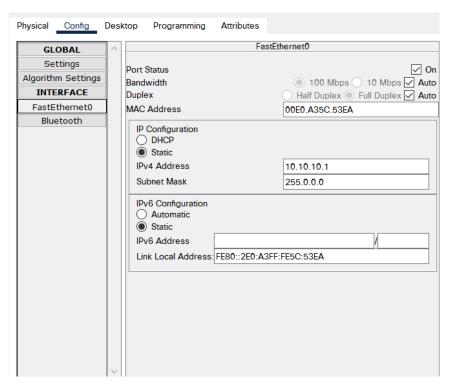
- 1. Adding two PCs as end devices.
- 2. Connecting them via copper cross-over wire. Connection is via Fast Ethernet Port.



3. Setting IP configuration for the devices (PC0 & PC1) at the IP configuration tab in the menu.

PC0:





4. Checking the IP configuration for both devices using ipconfig command in the command prompt tab in the menu.

#### Ipconfig for 1st device (PC0):

```
ommand Prompt
Packet Tracer PC Command Line 1.0
C:\>ip config
Invalid Command.
C:\>ipconfig
FastEthernet0 Connection: (default port)
  Connection-specific DNS Suffix..:
Link-local IPv6 Address......: FE80::201:97FF:FE99:5CAA
  IPv6 Address....: ::
  IPv4 Address..... 10.10.10.0
  Subnet Mask..... 255.0.0.0
  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
```

#### Ipconfig for 2nd device (PC1):

```
Physical
      Config Desktop Programming
                               Attributes
                                                              Х
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection: (default port)
   Connection-specific DNS Suffix..:
  Link-local IPv6 Address.....: FE80::2E0:A3FF:FE5C:53EA
  IPv6 Address....::
  IPv4 Address..... 10.10.10.1
   Subnet Mask..... 255.0.0.0
   Default Gateway....:::
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....::::
C:\>
```

5. Checking the connection between the end devices using the ping command

# Sending ping from PC0 to PC1

```
C:\>ping 10.10.10.1

Pinging 10.10.10.1 with 32 bytes of data:

Reply from 10.10.10.1: bytes=32 time<1ms TTL=128
Ping statistics for 10.10.10.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

#### Successfully transmitted and received packets.

