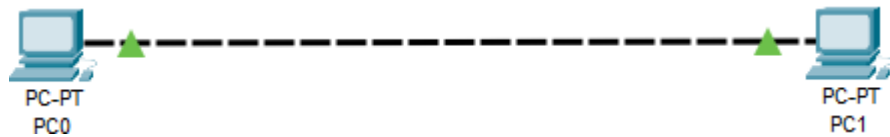


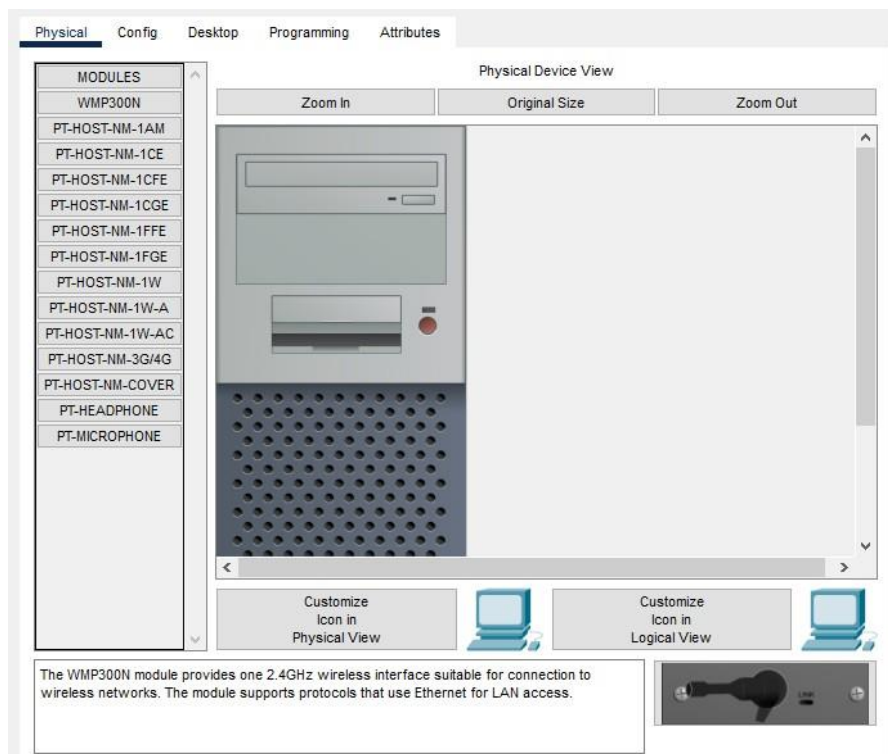
PRACTICAL-11

AIM: Configuration of router in packet tracer using command line.

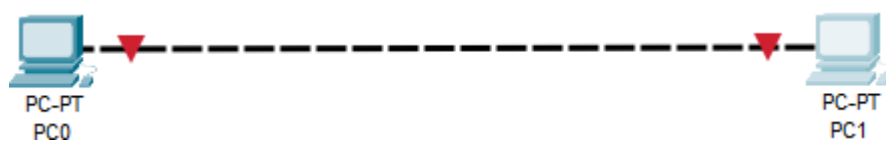
Step-1: Connecting the two PCs.



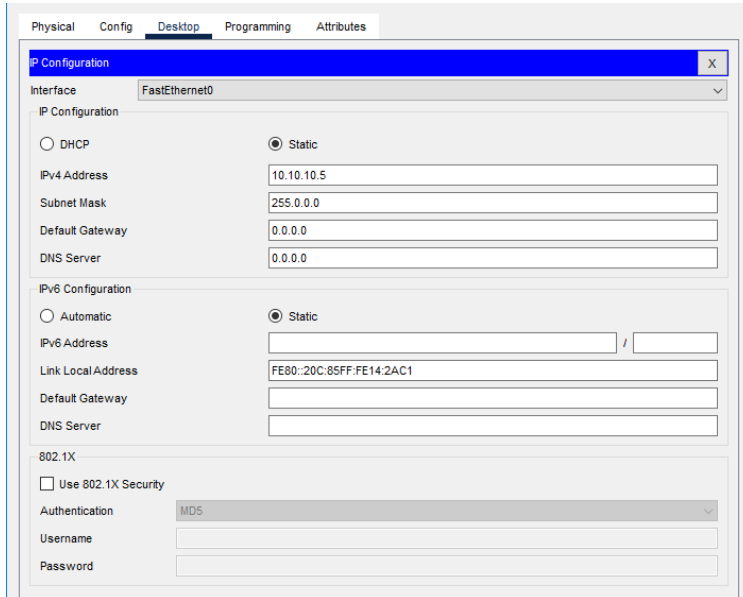
Step-2: Switching ON/OFF the CPU.



Step-3: If the CPU is OFF, connection is lost.



Step-4: Assigning the IP address to PC-0 and PC-1.



Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 10.10.10.5

Subnet Mask: 255.0.0.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::20C:85FF:FE14:2AC1

Default Gateway:

DNS Server:

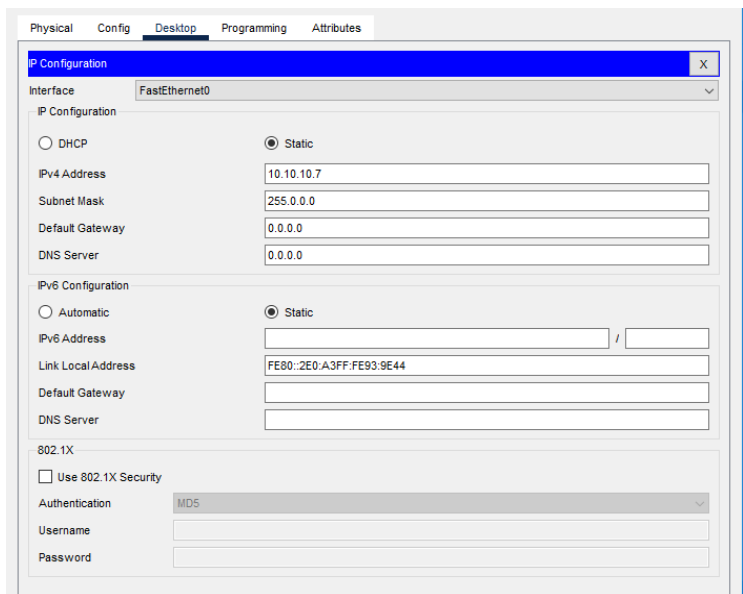
802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:



Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 10.10.10.7

Subnet Mask: 255.0.0.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::2E0:A3FF:FE93:9E44

Default Gateway:

DNS Server:

802.1X

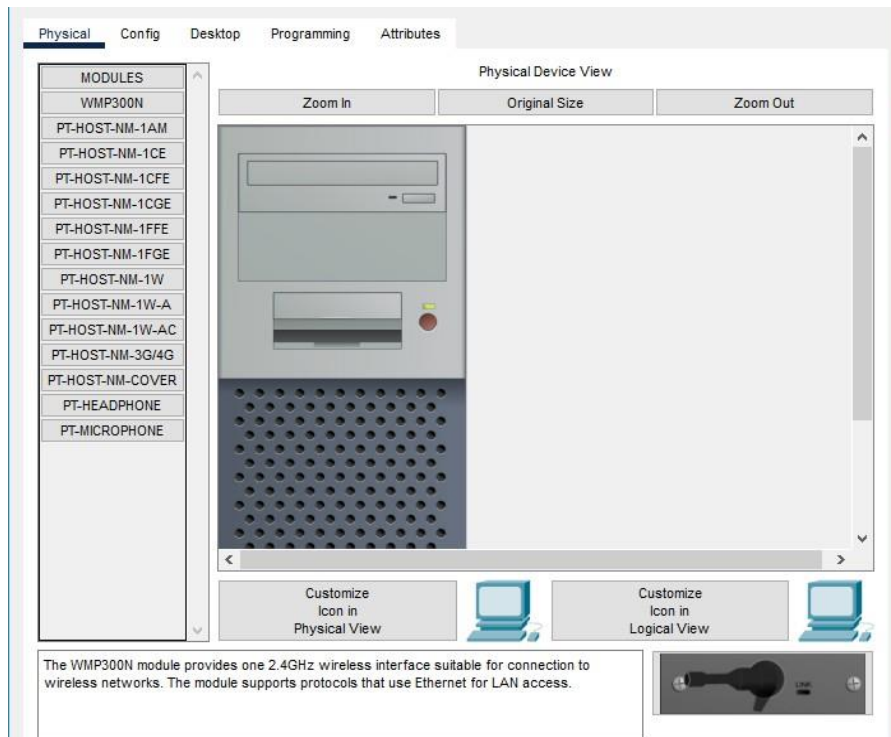
☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

Step-5: Switching on the CPU to restore connection.



Step-6: Configuration of IP address and MAC address of PC-0.

```

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

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address . . . . .: FE80::20C:85FF:FE14:2AC1
IPv6 Address . . . . .: ::
IPv4 Address . . . . .: 10.10.10.5
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

C:\>

```

```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address.....: 000C.8514.2AC1
    Link-local IPv6 Address.....: FE80::20C:85FF:FE14:2AC1
    IPv6 Address.....: ::
    IPv4 Address.....: 10.10.10.5
    Subnet Mask.....: 255.0.0.0
    Default Gateway.....: ::
                        0.0.0.0
    DHCP Servers.....: 0.0.0.0
    DHCPv6 IAID.....:
    DHCPv6 Client DUID.....: 00-01-00-01-21-D6-97-71-00-0C-85-14-2A-C1
    DNS Servers.....: ::
                        0.0.0.0

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Physical Address.....: 0001.C743.A839
    Link-local IPv6 Address.....: ::

C:\>|
```

Step-7: Configuration of IP address and MAC address of PC-1.

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

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address.....: FE80::2E0:A3FF:FE93:9E44
    IPv6 Address.....: ::
    IPv4 Address.....: 10.10.10.7
    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

C:\>|
```

```
C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address.....: 00E0.A393.9E44
    Link-local IPv6 Address.....: FE80::2E0:A3FF:FE93:9E44
    IPv6 Address.....: ::
    IPv4 Address.....: 10.10.10.7
    Subnet Mask.....: 255.0.0.0
    Default Gateway.....: ::
                                0.0.0.0
    DHCP Servers.....: 0.0.0.0
    DHCPv6 IAID.....:
    DHCPv6 Client DUID.....: 00-01-00-01-38-75-32-04-00-E0-A3-93-9E-44
    DNS Servers.....: ::
                                0.0.0.0

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Physical Address.....: 0060.5C43.0712
    Link-local IPv6 Address.....: ::

C:\>
```

Step-8: Checking reachability of the PC-1.

```
C:\>ping 10.10.10.7

Pinging 10.10.10.7 with 32 bytes of data:

Reply from 10.10.10.7: bytes=32 time<1ms TTL=128
Reply from 10.10.10.7: bytes=32 time<1ms TTL=128
Reply from 10.10.10.7: bytes=32 time<1ms TTL=128
Reply from 10.10.10.7: bytes=32 time<1ms TTL=128

Ping statistics for 10.10.10.7:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```