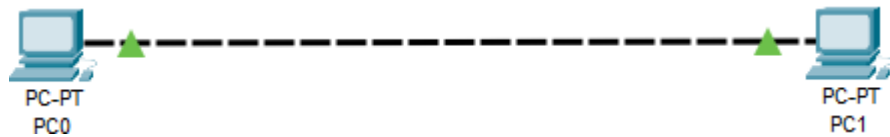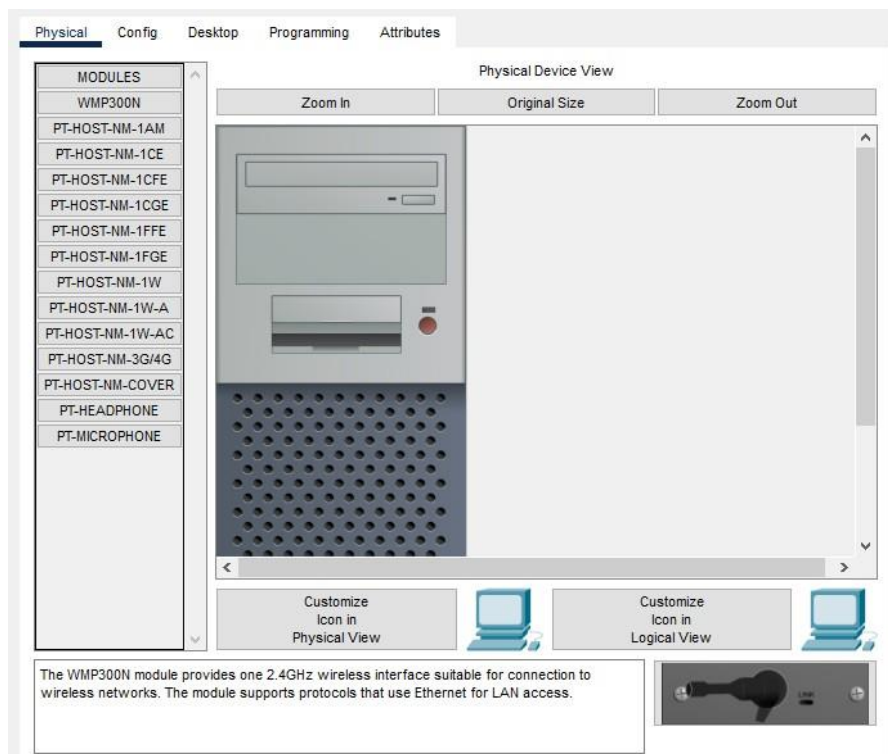# PRACTICAL-11

AIM: Configuration of router in packet tracer using command line.
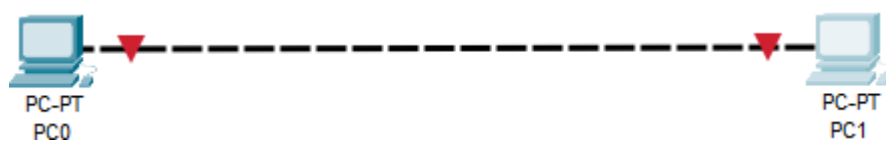
Step-1: Connecting the two PCS.

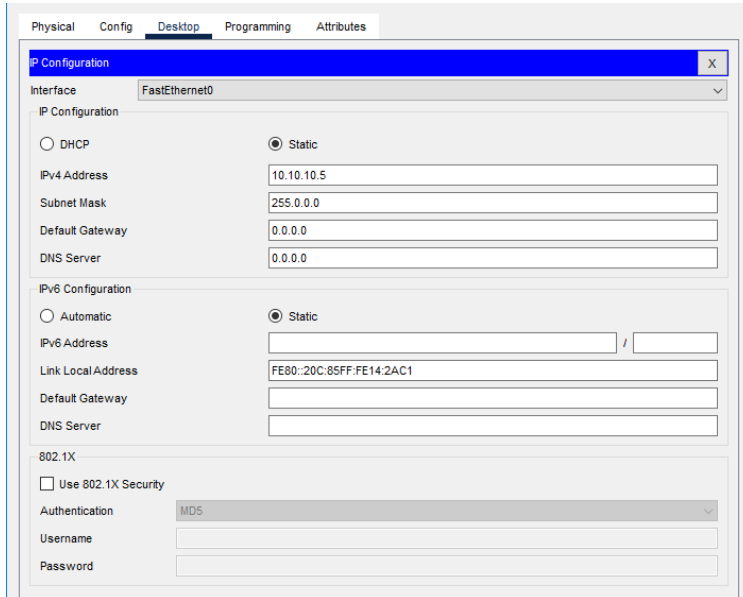
Step-2: Switching ON/OFF the CPU.

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

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

Step-5: Switching on the CPU to restore connection.
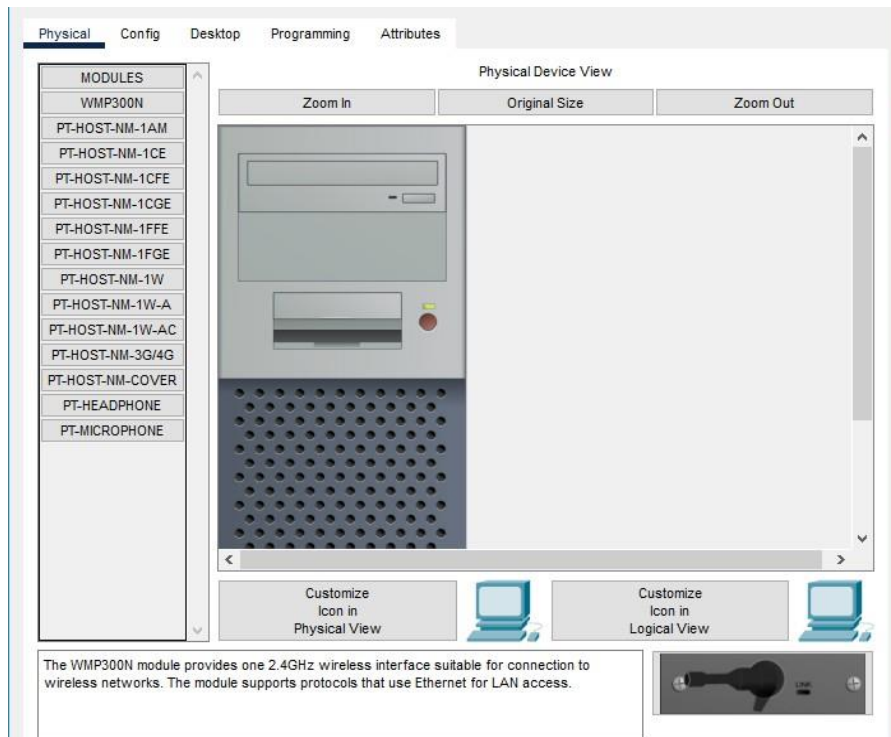
Step-6: Configuration of IP address and MAC address of PC-0.

```
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:\>
```