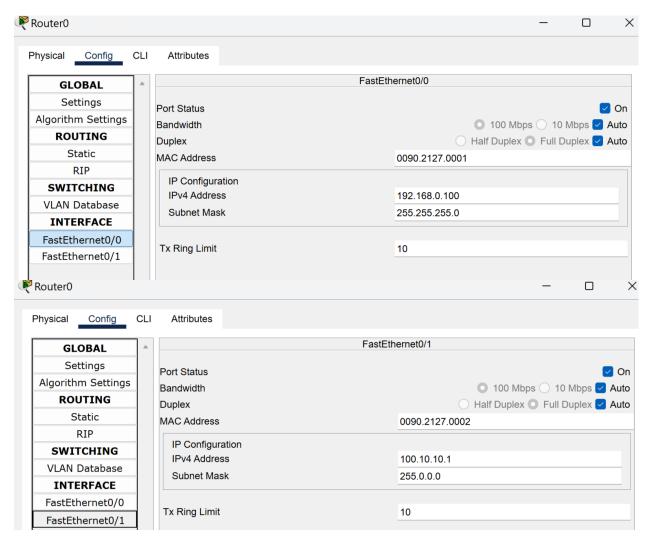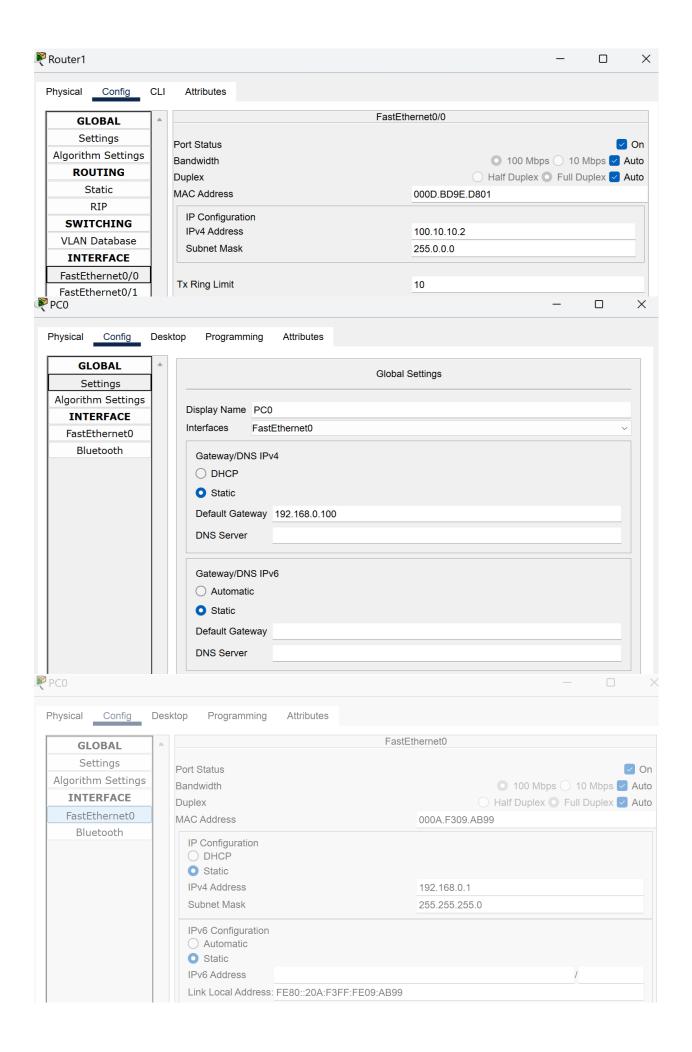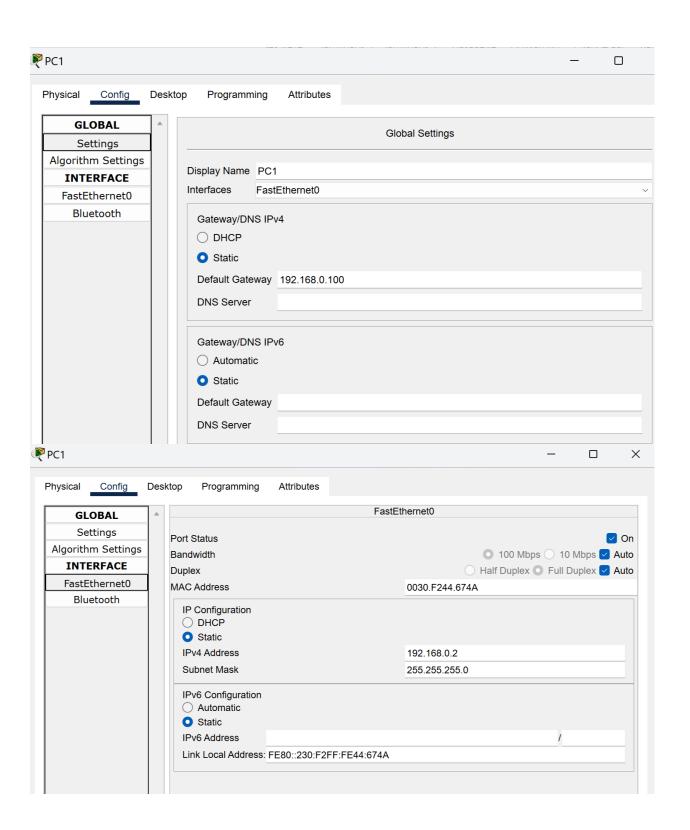```
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#
Router(config-if)#exit
Router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)#ip nat inside source list 1 int fa0/1 overload
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#
```

Router0 — □ ✕

Physical  Config  CLI  Attributes

| GLOBAL |
| Settings |
| Algorithm Settings |
| **ROUTING** |
| Static |
| RIP |
| **SWITCHING** |
| VLAN Database |
| **INTERFACE** |
| FastEthernet0/0 |
| FastEthernet0/1 |

FastEthernet0/0

Port Status ☑ On
Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ○ Full Duplex ☑ Auto
MAC Address 0090.2127.0001

IP Configuration
IPv4 Address 192.168.0.100
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Router0 — □ ✕

Physical  Config  CLI  Attributes

| GLOBAL |
| Settings |
| Algorithm Settings |
| **ROUTING** |
| Static |
| RIP |
| **SWITCHING** |
| VLAN Database |
| **INTERFACE** |
| FastEthernet0/0 |
| FastEthernet0/1 |

FastEthernet0/1

Port Status ☑ On
Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ○ Full Duplex ☑ Auto
MAC Address 0090.2127.0002

IP Configuration
IPv4 Address 100.10.10.1
Subnet Mask 255.0.0.0

Tx Ring Limit 10

## Router1

Physical  Config  CLI  Attributes

| GLOBAL | | FastEthernet0/0 |
| --- | --- | --- |
| Settings | | |
| Algorithm Settings | | |
| **ROUTING** | | |
| Static | | |
| RIP | | |
| **SWITCHING** | | |
| VLAN Database | | |
| **INTERFACE** | | |
| FastEthernet0/0 | | |
| FastEthernet0/1 | | |

FastEthernet0/0

Port Status ☑ On
Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ○ Full Duplex ☑ Auto
MAC Address 000D.BD9E.D801

IP Configuration
IPv4 Address 100.10.10.2
Subnet Mask 255.0.0.0

Tx Ring Limit 10

## PC0

Physical  Config  Desktop  Programming  Attributes

| GLOBAL |
| --- |
| Settings |
| Algorithm Settings |
| **INTERFACE** |
| FastEthernet0 |
| Bluetooth |

Global Settings

Display Name PC0
Interfaces FastEthernet0

Gateway/DNS IPv4
○ DHCP
● Static
Default Gateway 192.168.0.100
DNS Server

Gateway/DNS IPv6
○ Automatic
● Static
Default Gateway
DNS Server

## PC0

Physical  Config  Desktop  Programming  Attributes

| GLOBAL |
| --- |
| Settings |
| Algorithm Settings |
| **INTERFACE** |
| FastEthernet0 |
| Bluetooth |

FastEthernet0

Port Status ☑ On
Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ○ Full Duplex ☑ Auto
MAC Address 000A.F309.AB99

IP Configuration
○ DHCP
● Static
IPv4 Address 192.168.0.1
Subnet Mask 255.255.255.0

IPv6 Configuration
○ Automatic
● Static
IPv6 Address /
Link Local Address: FE80::20A:F3FF:FE09:AB99

## PC1

Physical  **Config**  Desktop  Programming  Attributes

| GLOBAL |
| --- |
| Settings |
| Algorithm Settings |
| **INTERFACE** |
| FastEthernet0 |
| Bluetooth |

### Global Settings

Display Name    PC1

Interfaces      FastEthernet0

**Gateway/DNS IPv4**

○ DHCP

● Static

Default Gateway   192.168.0.100

DNS Server

**Gateway/DNS IPv6**

○ Automatic

● Static

Default Gateway

DNS Server

---

## PC1

Physical  **Config**  Desktop  Programming  Attributes

| GLOBAL |
| --- |
| Settings |
| Algorithm Settings |
| **INTERFACE** |
| FastEthernet0 |
| Bluetooth |

### FastEthernet0

Port Status                                       ☑ On

Bandwidth                    ○ 100 Mbps  ○ 10 Mbps  ☑ Auto

Duplex                       ○ Half Duplex  ○ Full Duplex  ☑ Auto

MAC Address                  0030.F244.674A

**IP Configuration**

○ DHCP

● Static

IPv4 Address                 192.168.0.2

Subnet Mask                  255.255.255.0

**IPv6 Configuration**

○ Automatic

● Static

IPv6 Address                                          /

Link Local Address:  FE80::230:F2FF:FE44:674A

```
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```