

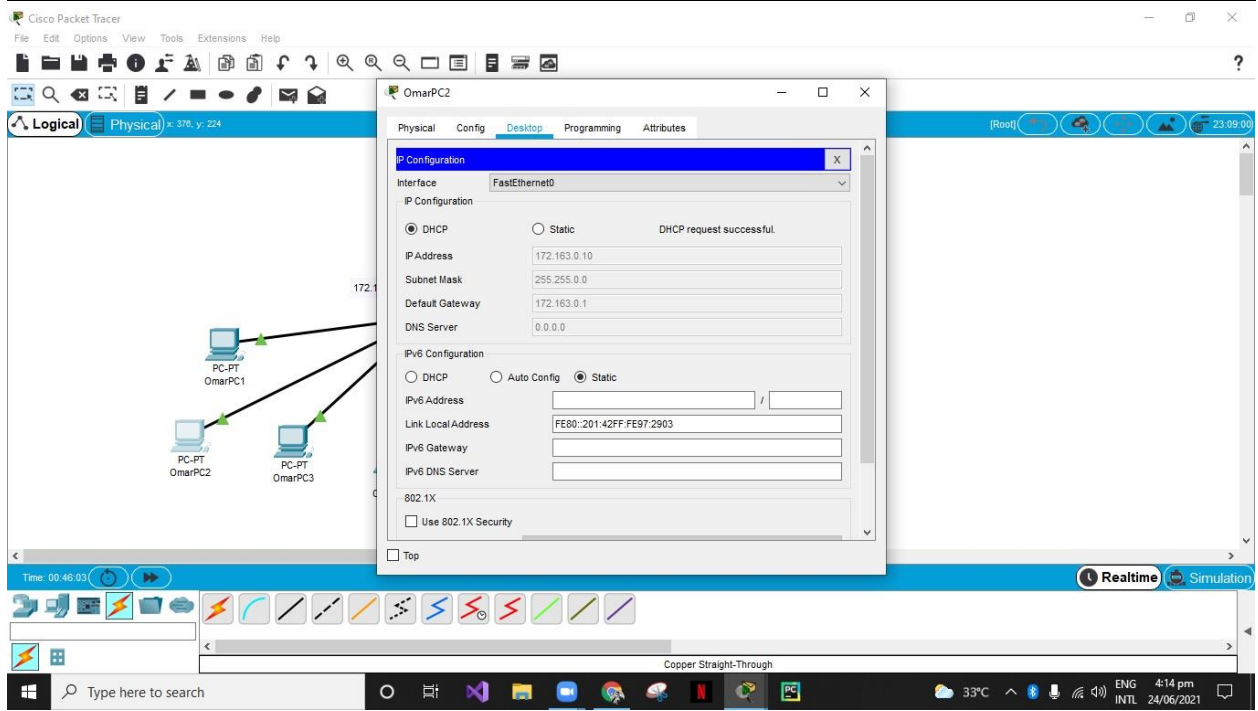
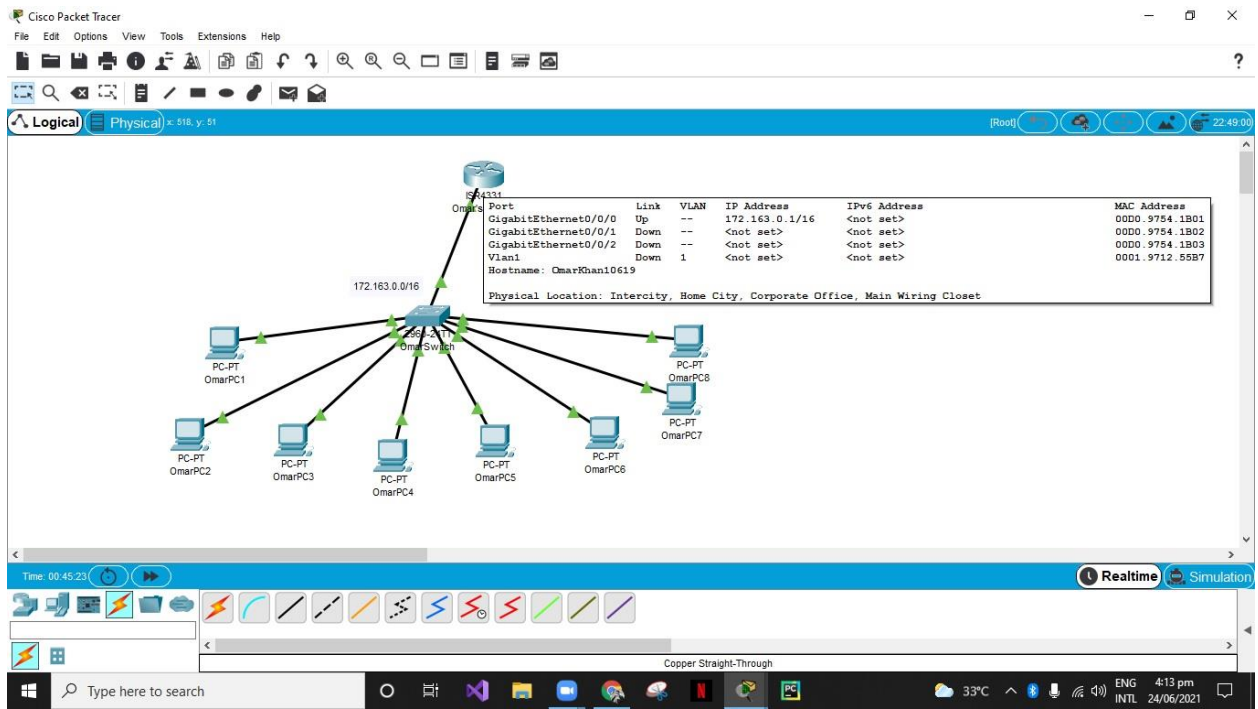
## CLASS WORK:

The image displays two screenshots of the Cisco Packet Tracer application, illustrating a network configuration task.

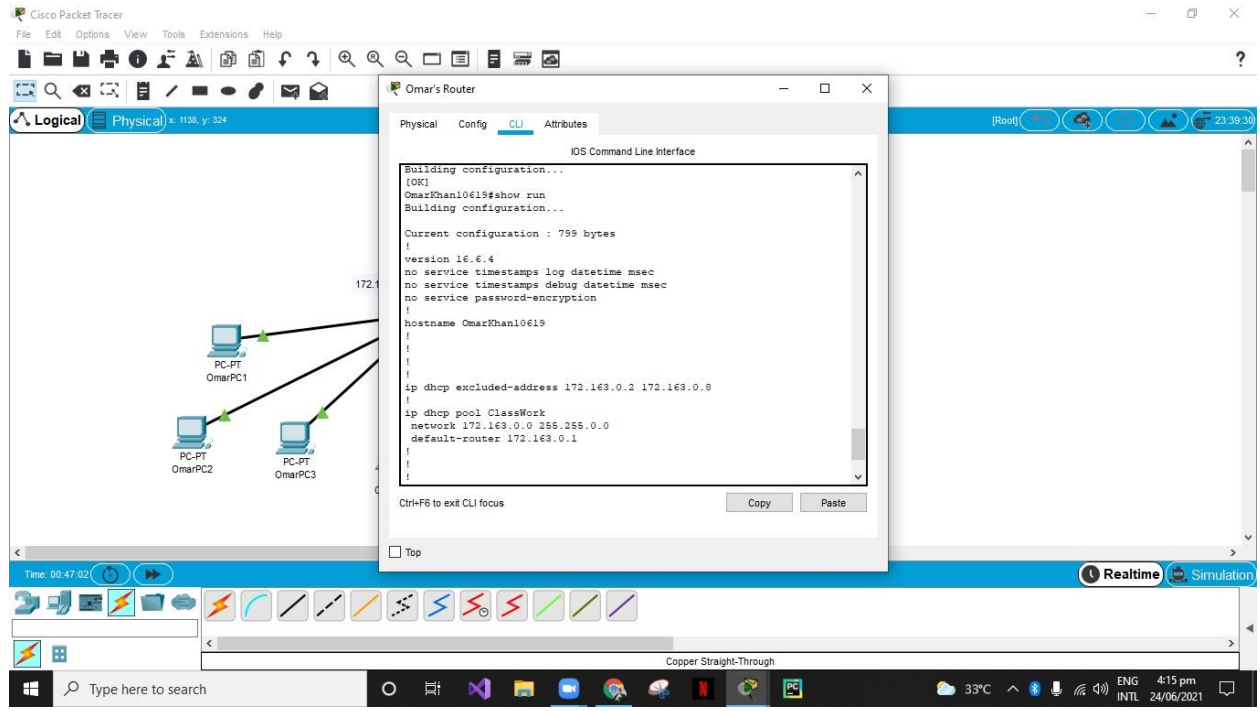
**Top Screenshot:** Shows a network topology in the Logical view. A central switch, labeled "OmarSwitch", is connected to eight PCs (OmarPC1 through OmarPC8) and a router (Omar's Router). The switch is configured with the IP address 172.163.0.0/16. The router is labeled "IS-4331". The interface is set to "Physical" view, and the time is 00:43:31. The status bar indicates "Realtime" simulation.

**Bottom Screenshot:** Shows the configuration window for OmarPC1. The "Config" tab is selected, and the "IP Configuration" section is expanded. The interface is "FastEthernet0". The configuration is set to "DHCP" (selected) and "Static". The IP Address is 172.163.0.9, Subnet Mask is 255.255.0.0, Default Gateway is 172.163.0.1, and DNS Server is 0.0.0.0. The "IPv6 Configuration" section is also expanded, showing "Static" configuration with IPv6 Address, Link Local Address (FE80::201:97FF:FE4D:3938), IPv6 Gateway, and IPv6 DNS Server fields. The status bar indicates "Realtime" simulation, and the time is 00:44:13.

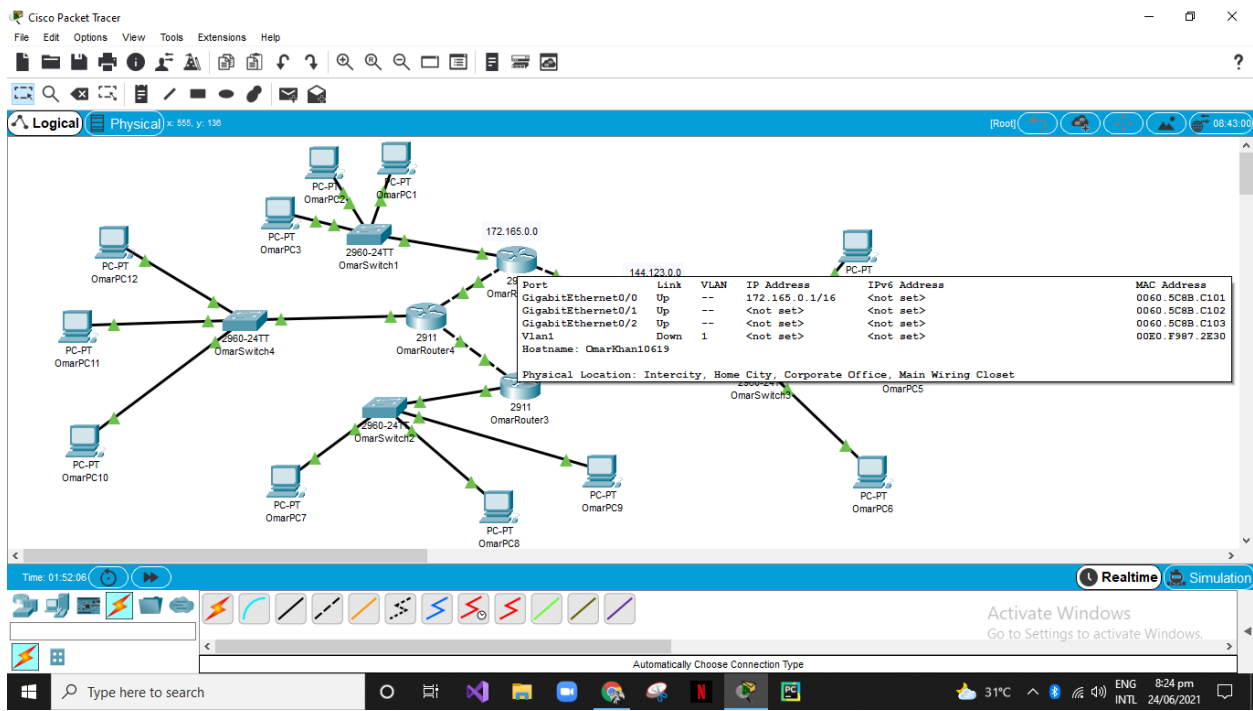
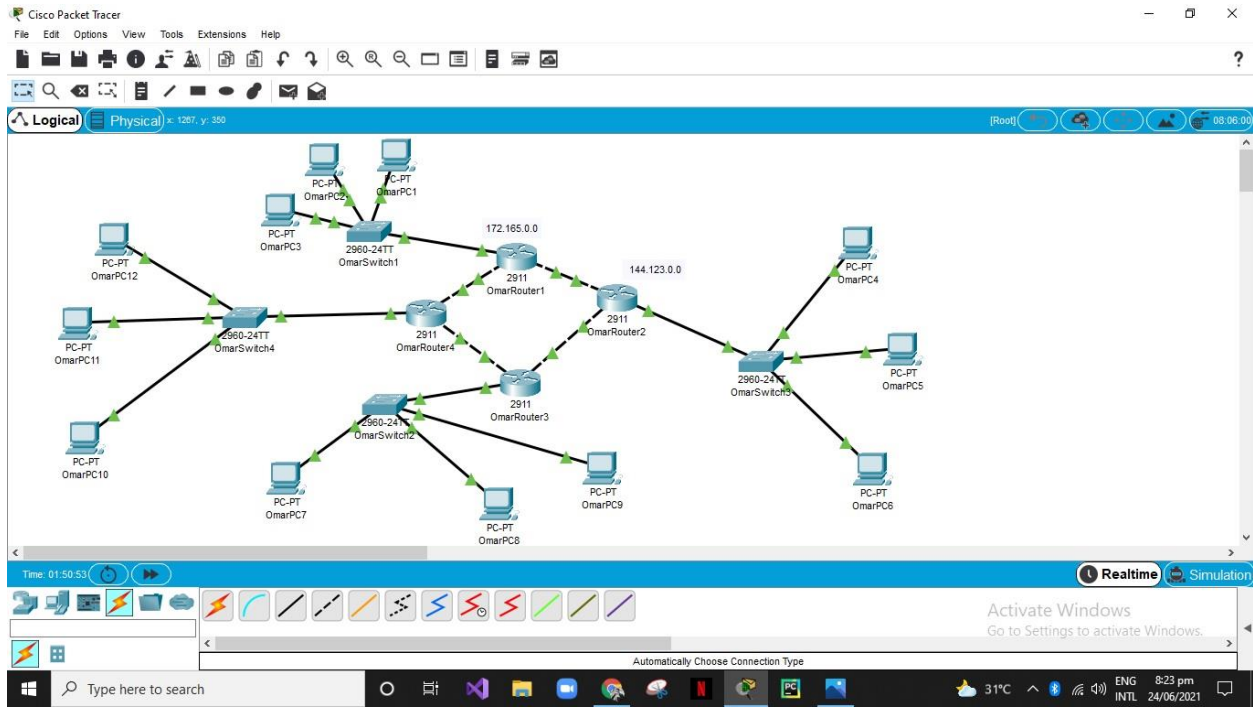
MUHAMMAD UMAR KHAN 10619  
NC LAB#07



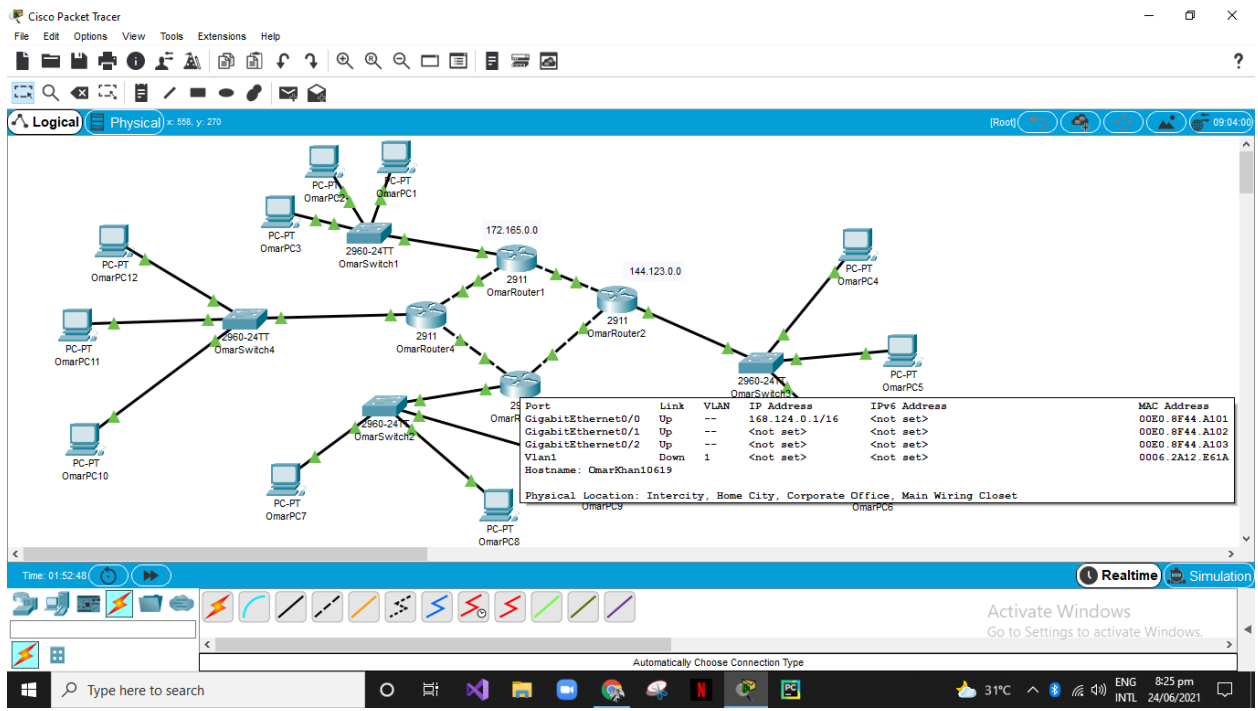
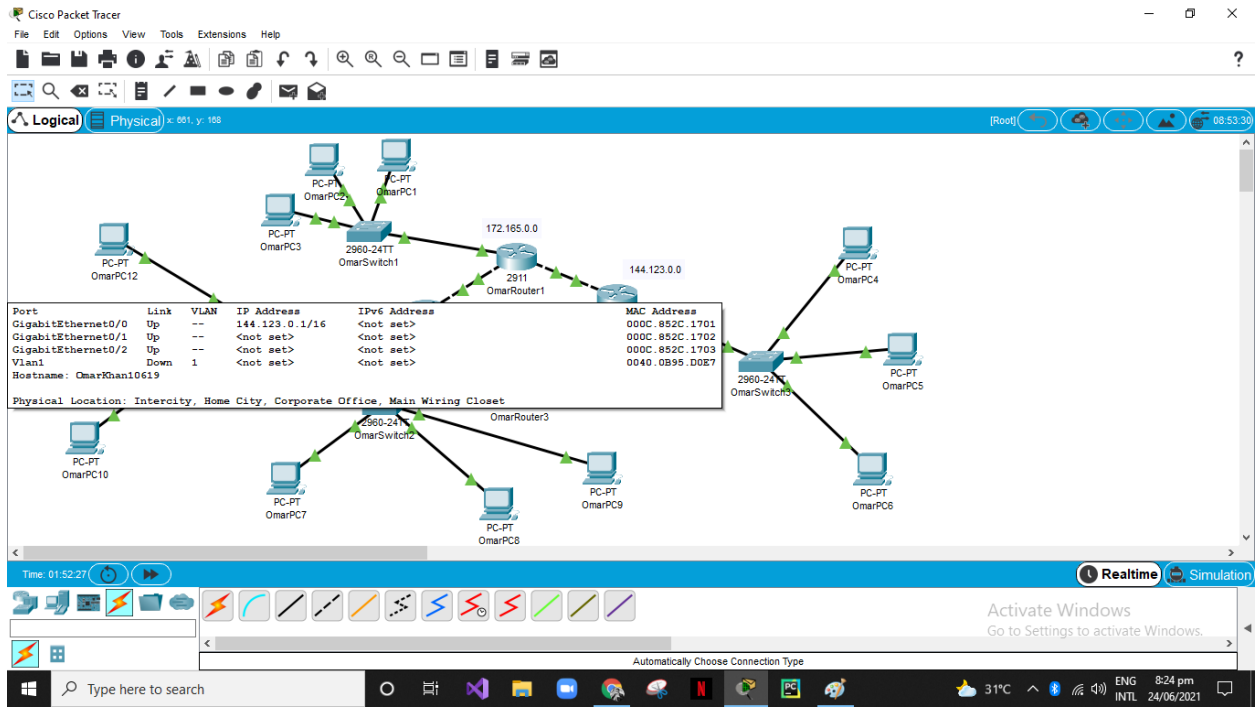
MUHAMMAD UMAR KHAN 10619  
NC LAB#07



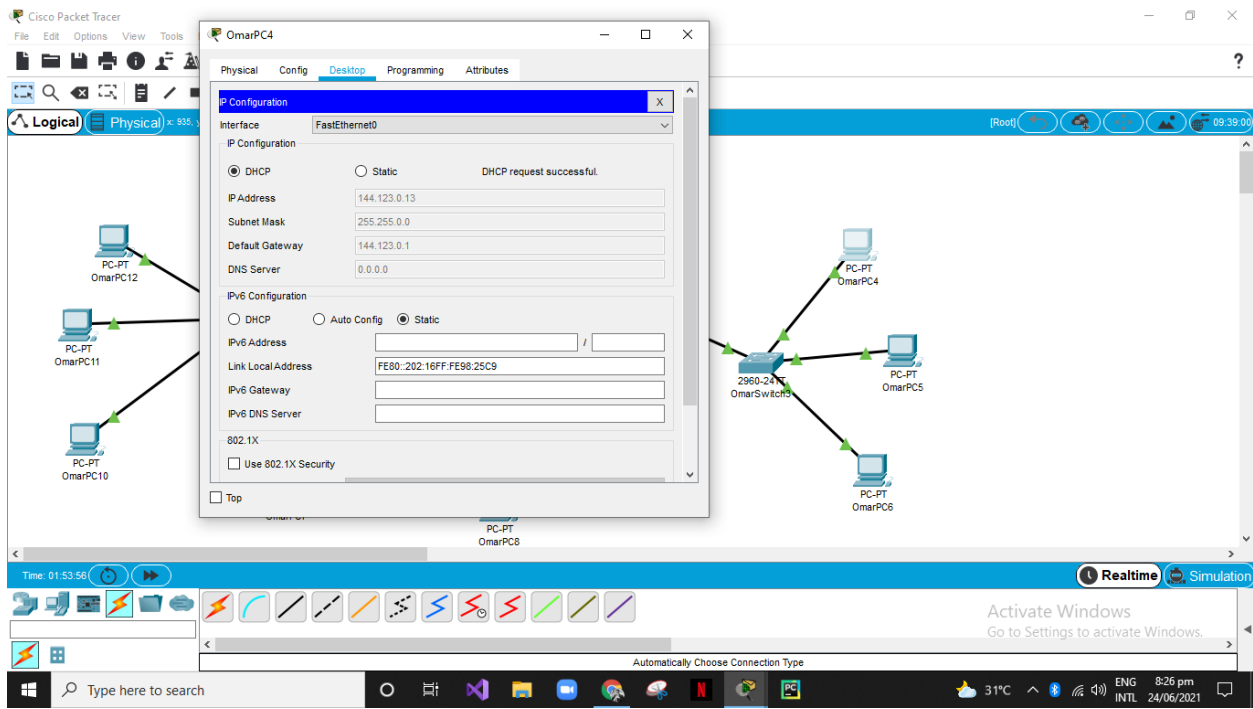
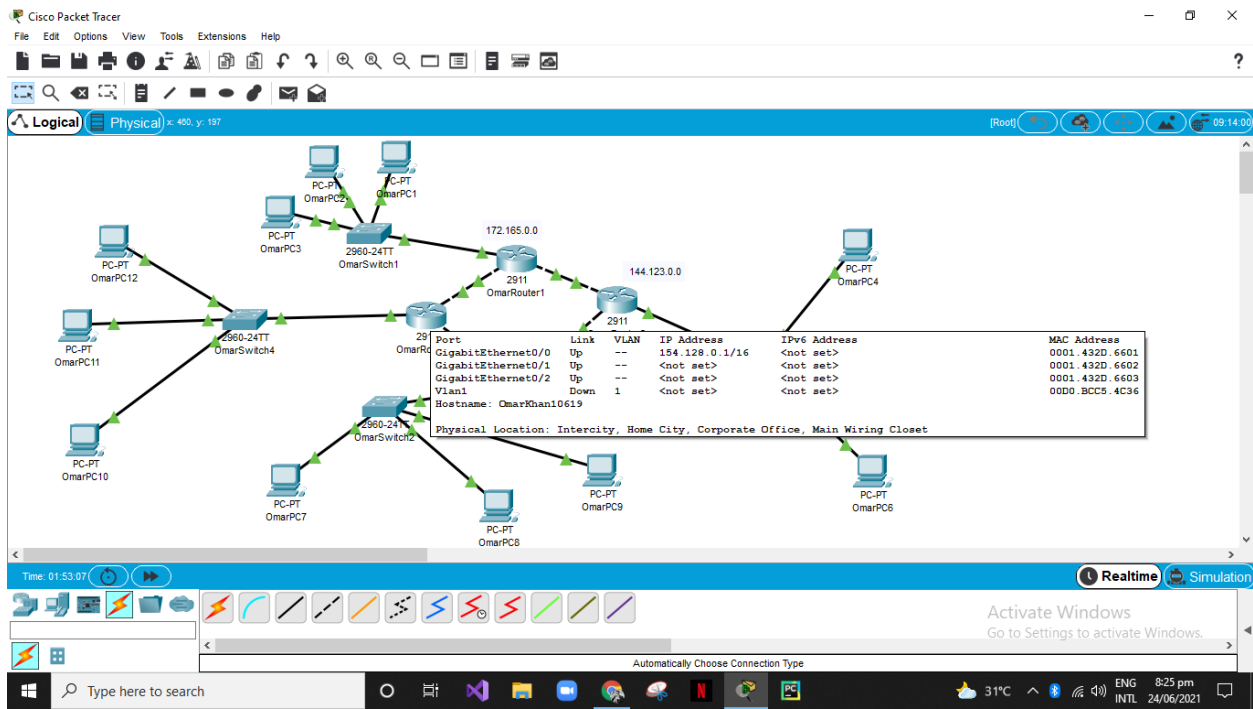
## LAB EXERCISE:



MUHAMMAD UMAR KHAN 10619  
NC LAB#07



MUHAMMAD UMAR KHAN 10619  
NC LAB#07



MUHAMMAD UMAR KHAN 10619  
NC LAB#07

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 974, y: 2

Time: 01:54:25

Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

Type here to search

31°C 8:26 pm 24/06/2021

OmarPC9

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address 168.124.0.9

Subnet Mask 255.255.0.0

Default Gateway 168.124.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::201:97FF:FEA1:389

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

☐ Top

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 396, y: 173

Time: 01:54:48

Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

Type here to search

31°C 8:27 pm 24/06/2021

OmarPC10

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address 154.128.0.4

Subnet Mask 255.255.0.0

Default Gateway 154.128.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::230:A3FF:FE75:E7A4

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

☐ Top



MUHAMMAD UMAR KHAN 10619  
NC LAB#07

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 550, y: 134

```
OmarKhan10619>enable
OmarKhan10619#
OmarKhan10619#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
OmarKhan10619(config)#interface GigabitEthernet0/0
OmarKhan10619(config-if)#
OmarKhan10619(config-if)#exit
OmarKhan10619(config)#interface GigabitEthernet0/1
OmarKhan10619(config-if)#
OmarKhan10619(config-if)#exit
OmarKhan10619(config)#interface GigabitEthernet0/1
OmarKhan10619(config-if)#no shutdown
OmarKhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1,
changed state to up
OmarKhan10619(config-if)#exit
OmarKhan10619(config)#interface GigabitEthernet0/2
OmarKhan10619(config-if)#no shutdown
OmarKhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2,
changed state to up
OmarKhan10619(config-if)#exit
```

Time: 01:55:36

Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

Type here to search

31°C 8:28 pm 24/06/2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 673, y: 170

```
OmarKhan10619>enable
OmarKhan10619#
OmarKhan10619#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
OmarKhan10619(config)#interface GigabitEthernet0/1
OmarKhan10619(config-if)#no shutdown
OmarKhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1,
changed state to up
OmarKhan10619(config-if)#exit
OmarKhan10619(config)#interface GigabitEthernet0/2
OmarKhan10619(config-if)#no shutdown
OmarKhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2,
changed state to up
OmarKhan10619(config-if)#exit
```

Time: 01:55:57

Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

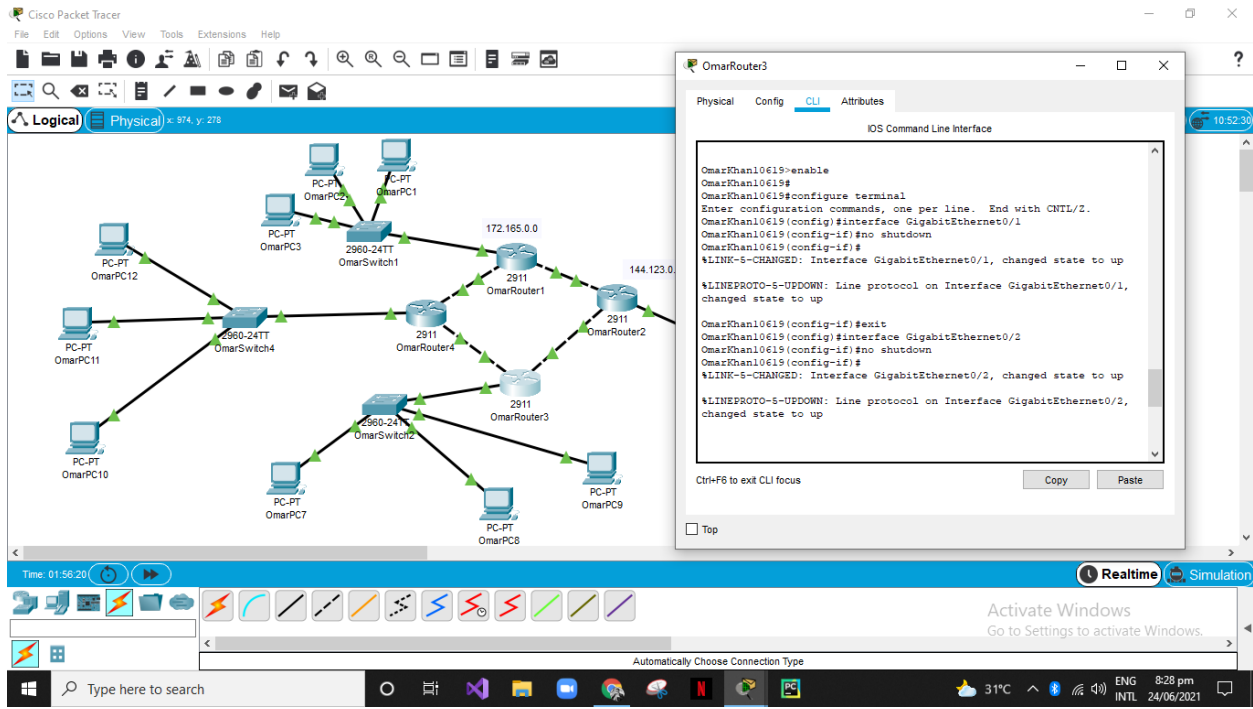
Automatically Choose Connection Type

Type here to search

31°C 8:28 pm 24/06/2021



MUHAMMAD UMAR KHAN 10619  
NC LAB#07



OmarRouter3

Physical Config CLI Attributes

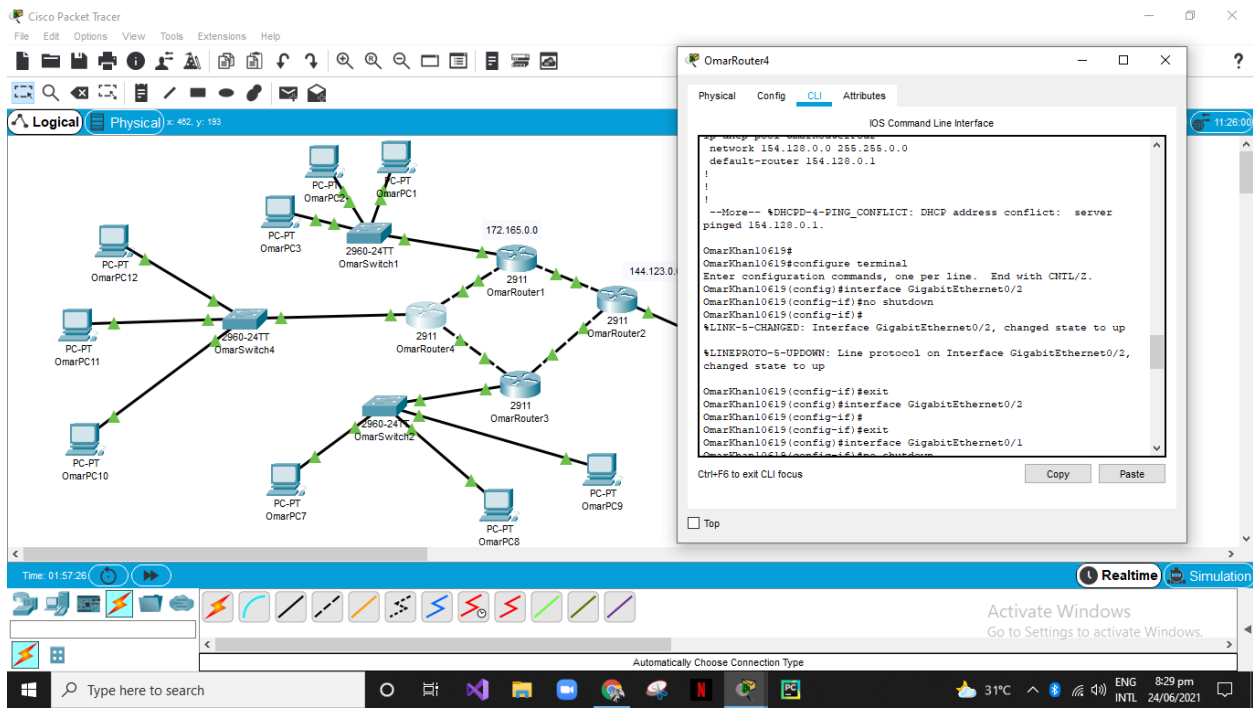
IOS Command Line Interface

```
OmarRhan10619>enable
OmarRhan10619#
OmarRhan10619#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
OmarRhan10619(config)#interface GigabitEthernet0/1
OmarRhan10619(config-if)#no shutdown
OmarRhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1,
changed state to up
OmarRhan10619(config-if)#exit
OmarRhan10619(config)#interface GigabitEthernet0/2
OmarRhan10619(config-if)#no shutdown
OmarRhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2,
changed state to up
OmarRhan10619(config-if)#exit
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top



OmarRouter4

Physical Config CLI Attributes

IOS Command Line Interface

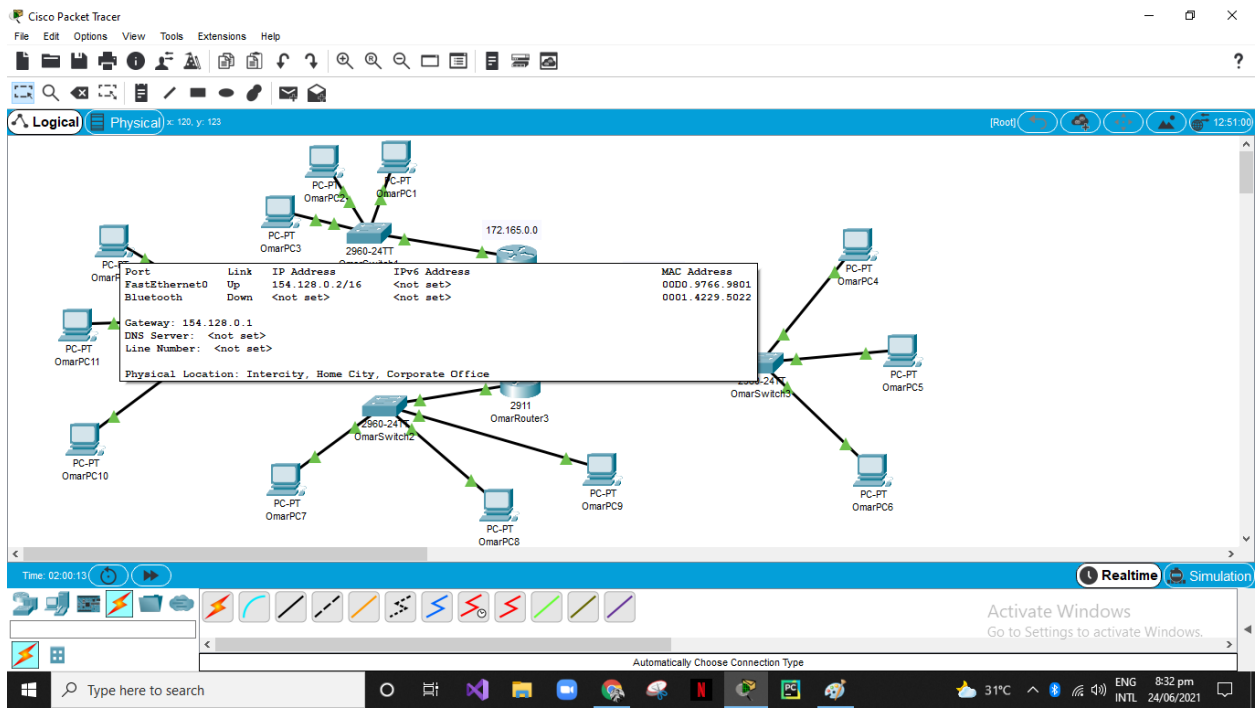
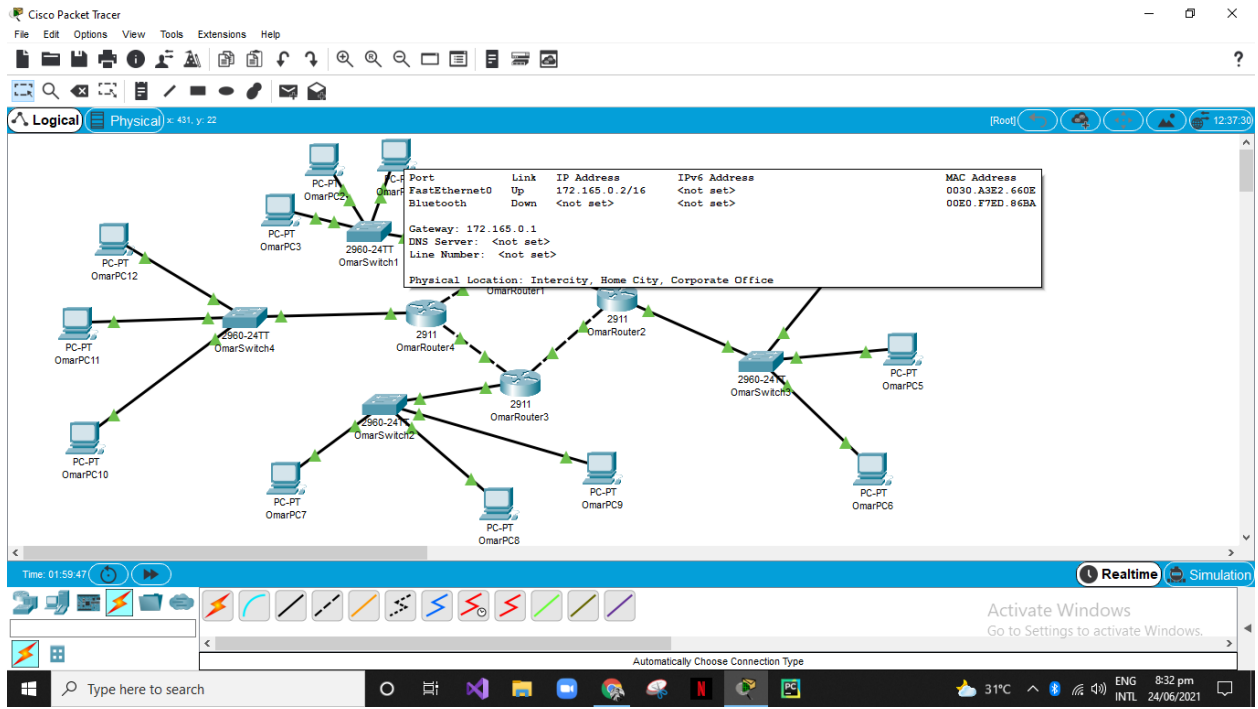
```
OmarRhan10619#
OmarRhan10619#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
OmarRhan10619(config)#interface GigabitEthernet0/2
OmarRhan10619(config-if)#no shutdown
OmarRhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/2,
changed state to up
OmarRhan10619(config-if)#exit
OmarRhan10619(config)#interface GigabitEthernet0/1
OmarRhan10619(config-if)#no shutdown
OmarRhan10619(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1,
changed state to up
OmarRhan10619(config-if)#exit
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

MUHAMMAD UMAR KHAN 10619  
NC LAB#07



MUHAMMAD UMAR KHAN 10619  
NC LAB#07

