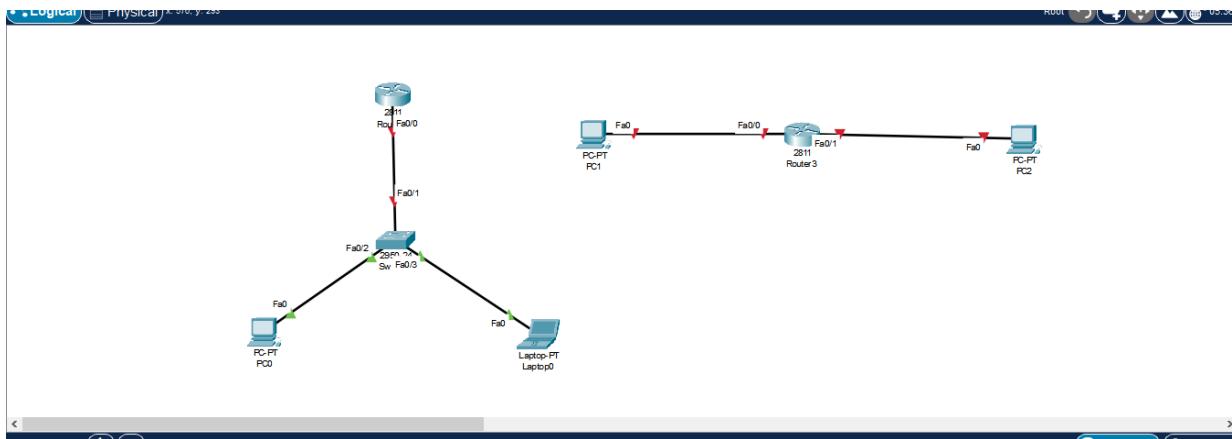
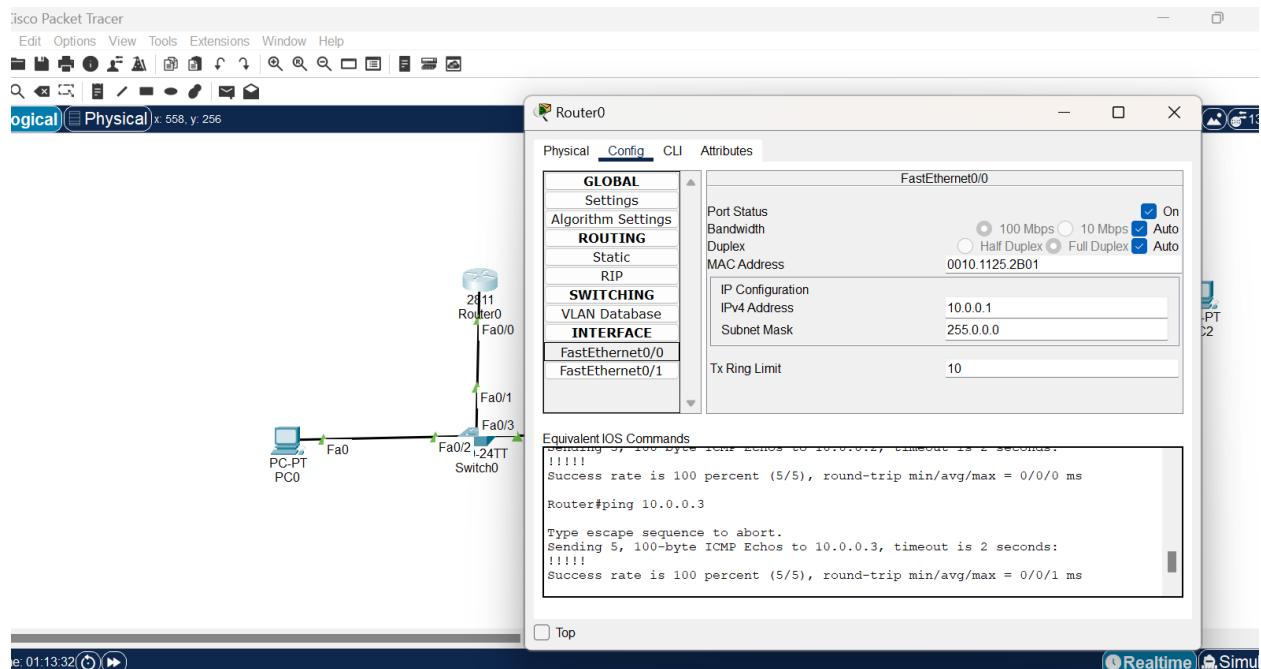


Date:06/06/2024

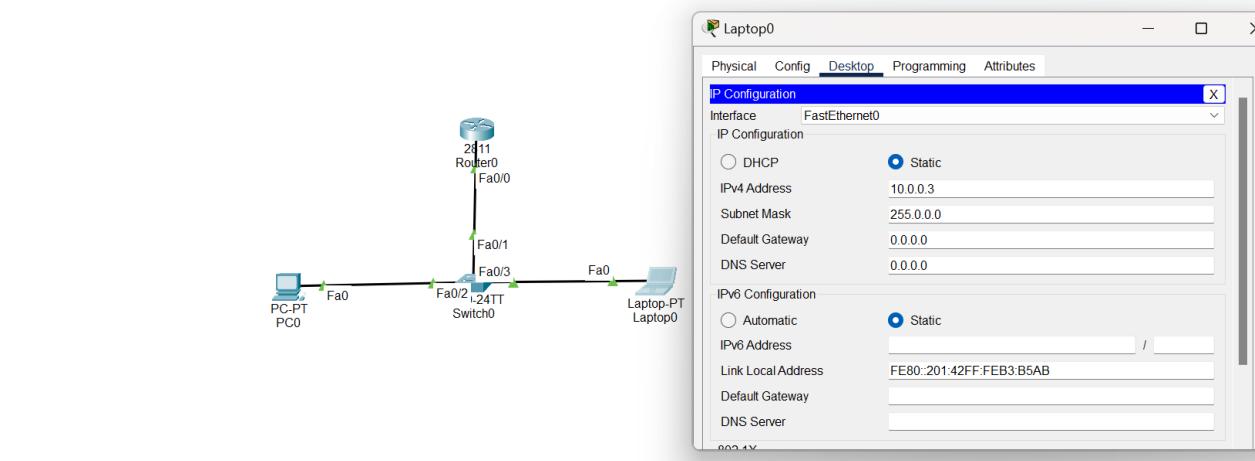
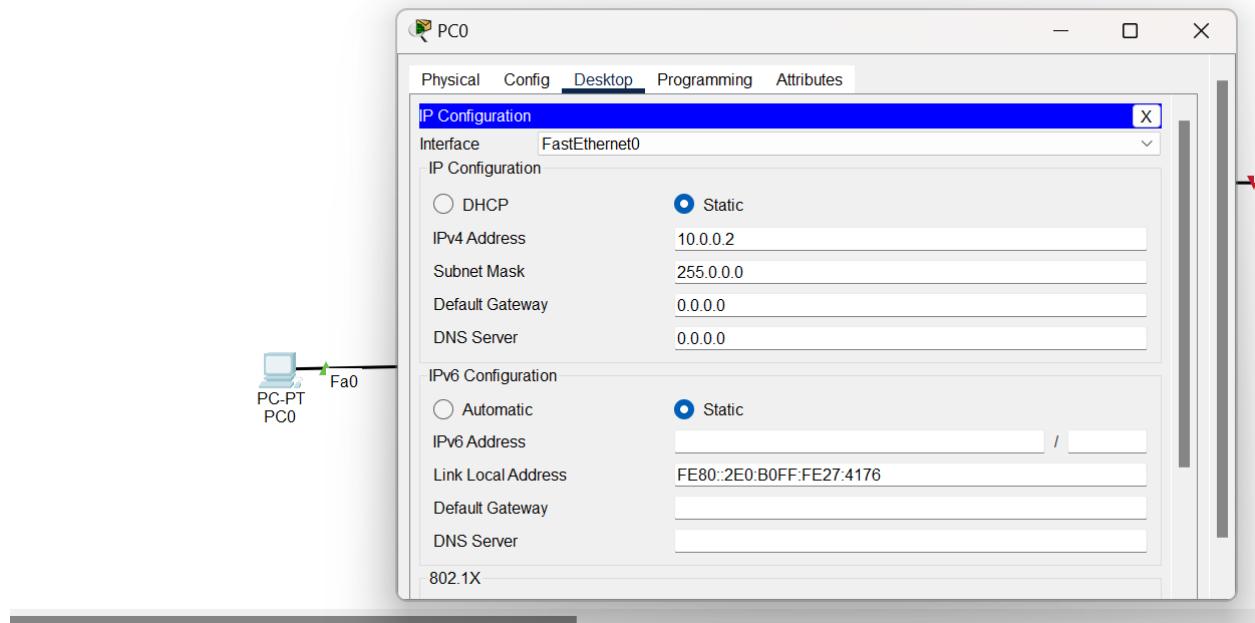
Lab1: Connecting the Devices

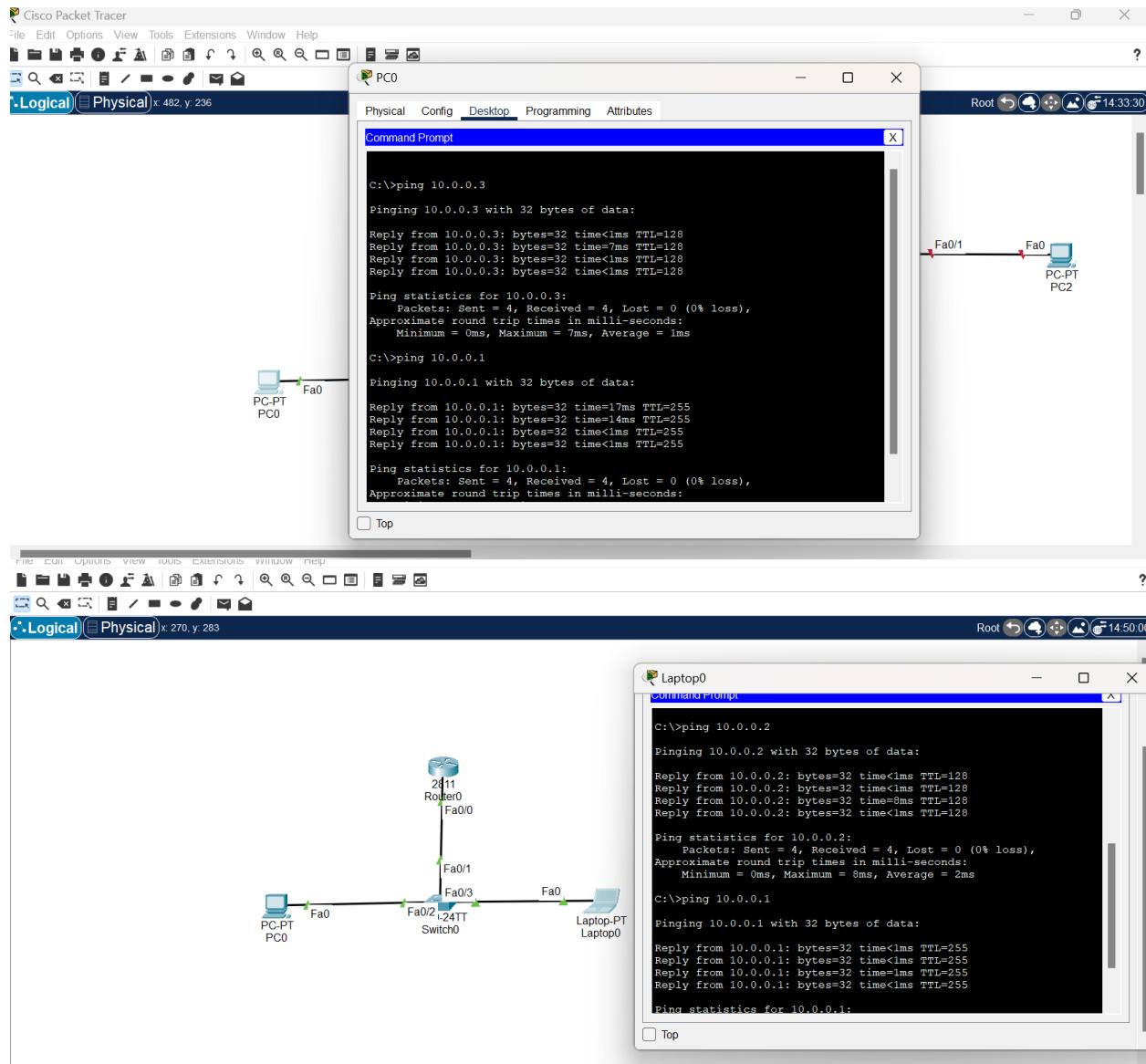


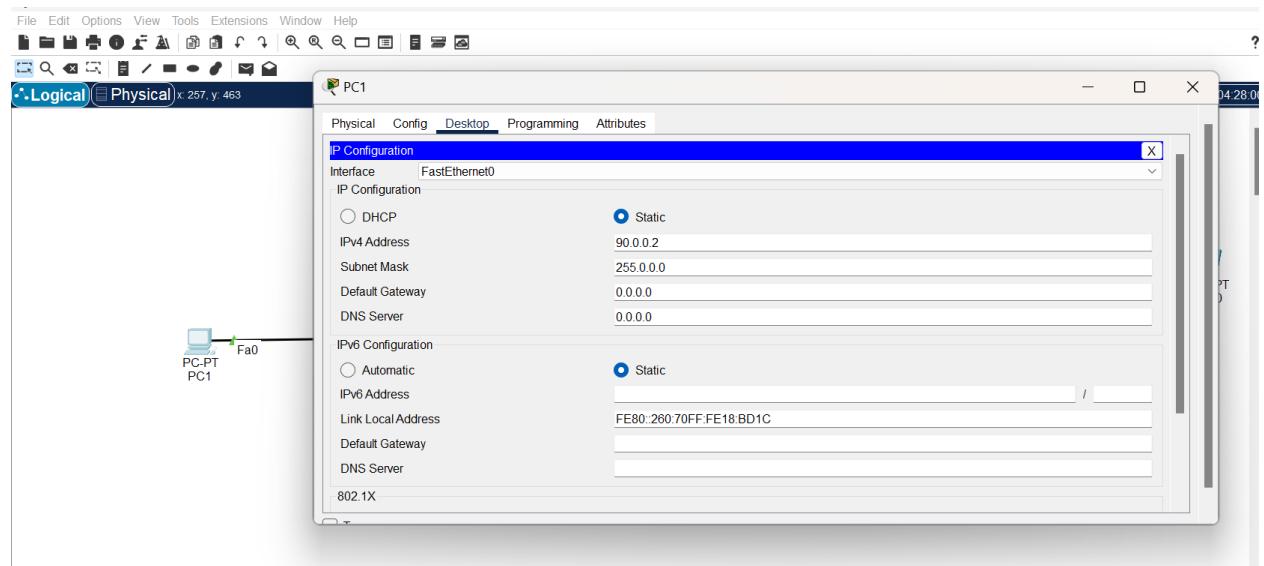
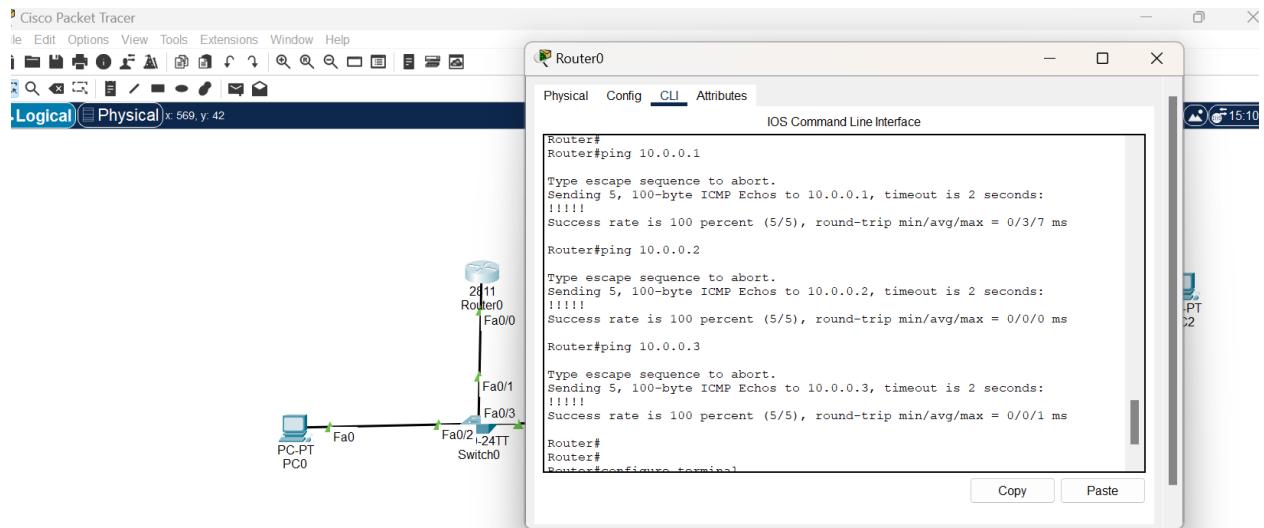
Lab2: IP address Configuration and Ping check



Physical x: 934, y: 222







PC2 Configuration (Physical View)

Physical Configuration for Router1:

- Interface: FastEthernet0
- IP Configuration: Static (IPv4 Address: 100.0.0.2, Subnet Mask: 255.0.0.0, Default Gateway: 0.0.0.0, DNS Server: 0.0.0.0)
- IPv6 Configuration: Static (IPv6 Address: FE80::201:4FF:FE11:7198, Link Local Address: FE80:201:4FF:FE11:7198)
- 802.1X: Not configured

Router1 Configuration (Logical View)

Configured Global Settings for Router1:

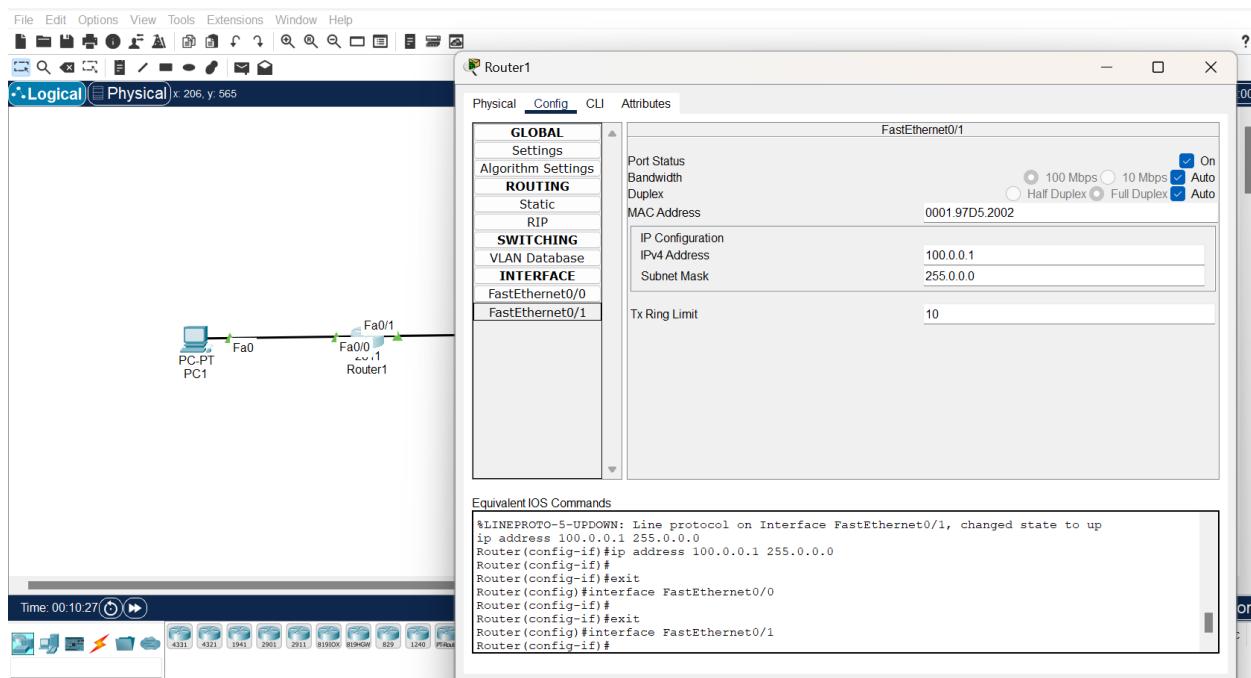
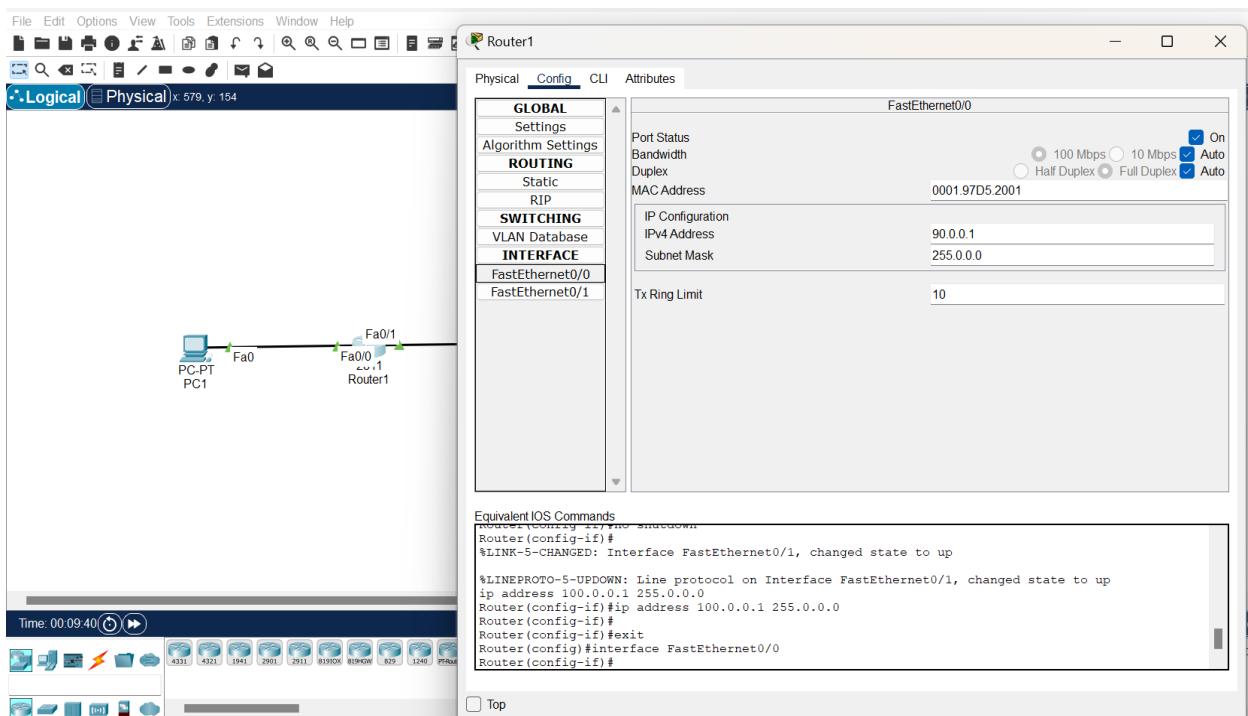
- Algorithm Settings: Routing (Static, RIP)
- Switching: VLAN Database
- Interface Configuration for FastEthernet0/0:
 - Port Status: On (100 Mbps, Auto Duplex)
 - IP Configuration: IPv4 Address: 90.0.0.1, Subnet Mask: 255.0.0.0
 - Tx Ring Limit: 10
- Interface Configuration for FastEthernet0/1: (Empty)

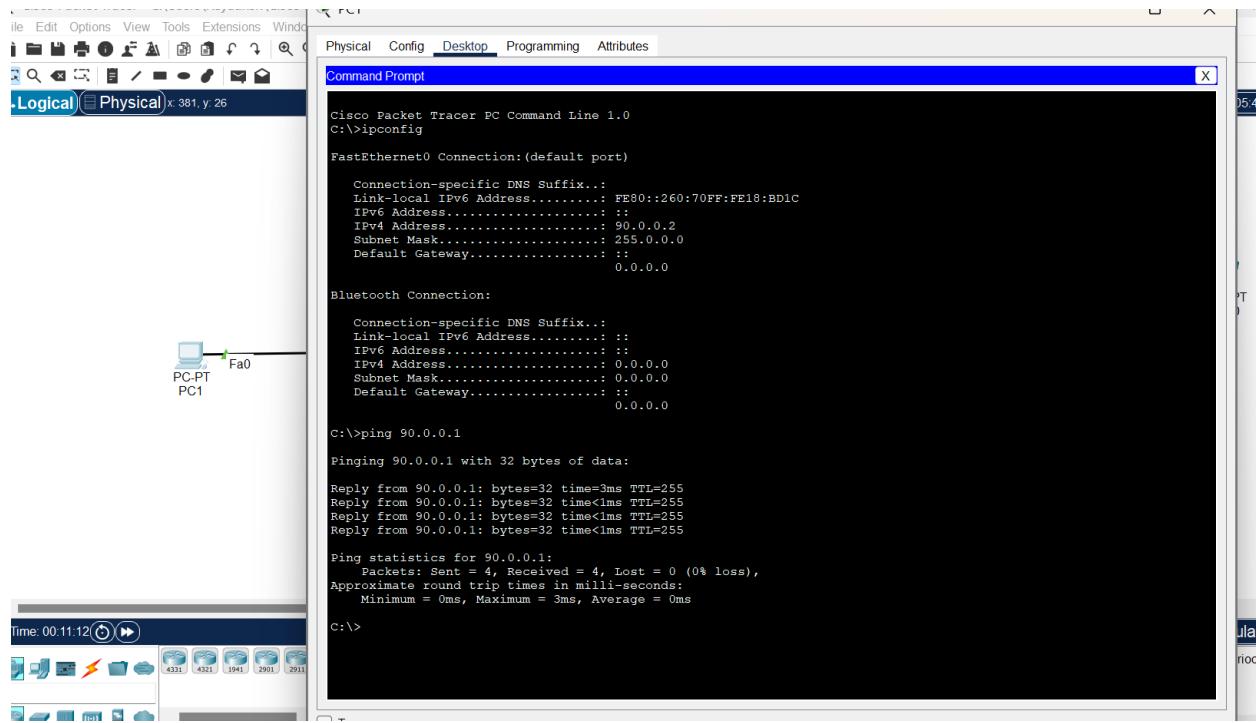
Equivalent IOS Commands (Router1#) shown in the terminal window:

```

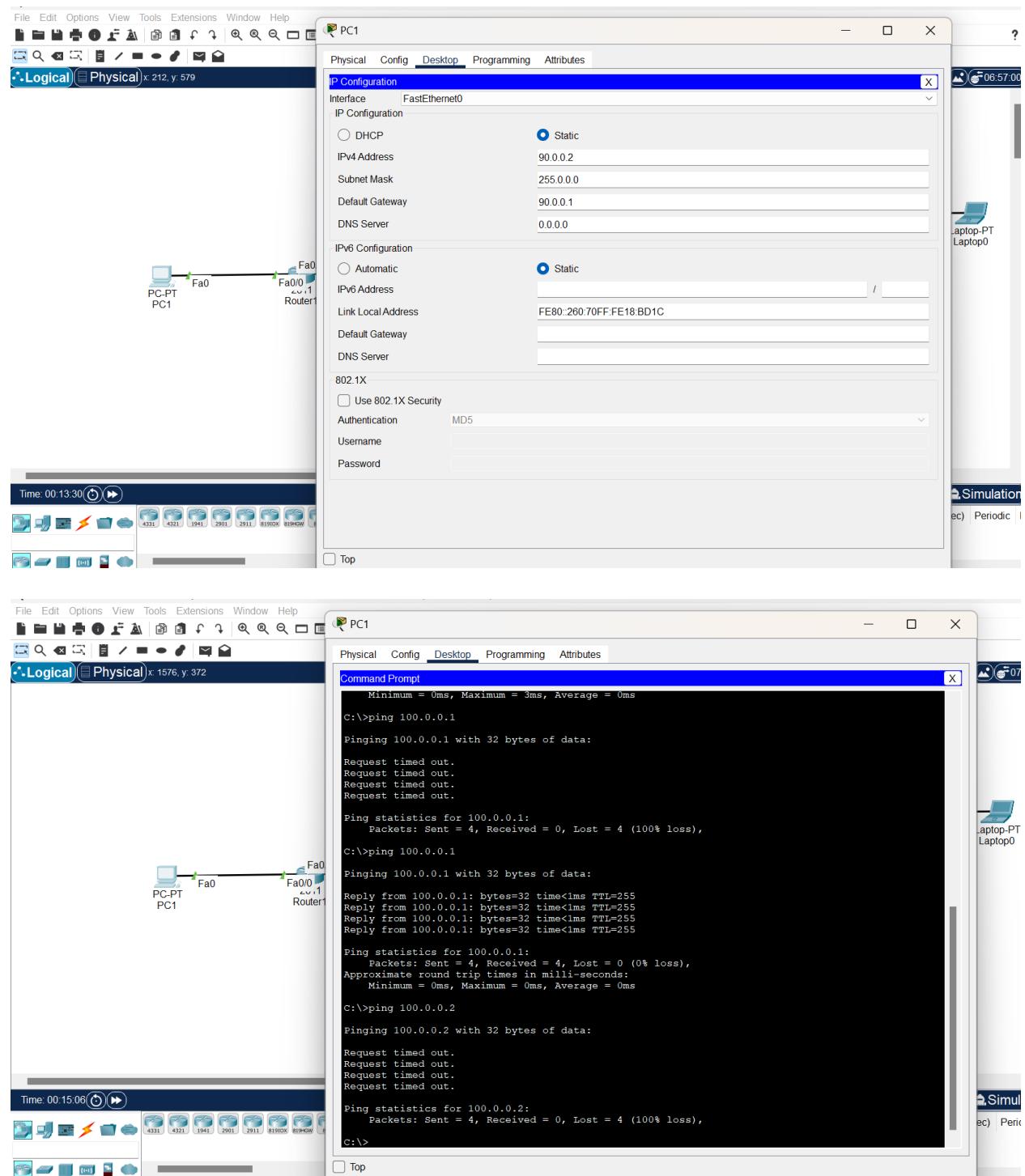
Router(config)# interface fastethernet0/0
Router(config-if)# shutdown
Router(config-if)# %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
ip address 100.0.0.1 255.0.0.0
Router(config-if)# ip address 100.0.0.1 255.0.0.0
Router(config-if)# exit
Router(config)# interface FastEthernet0/0
Router(config-if)#

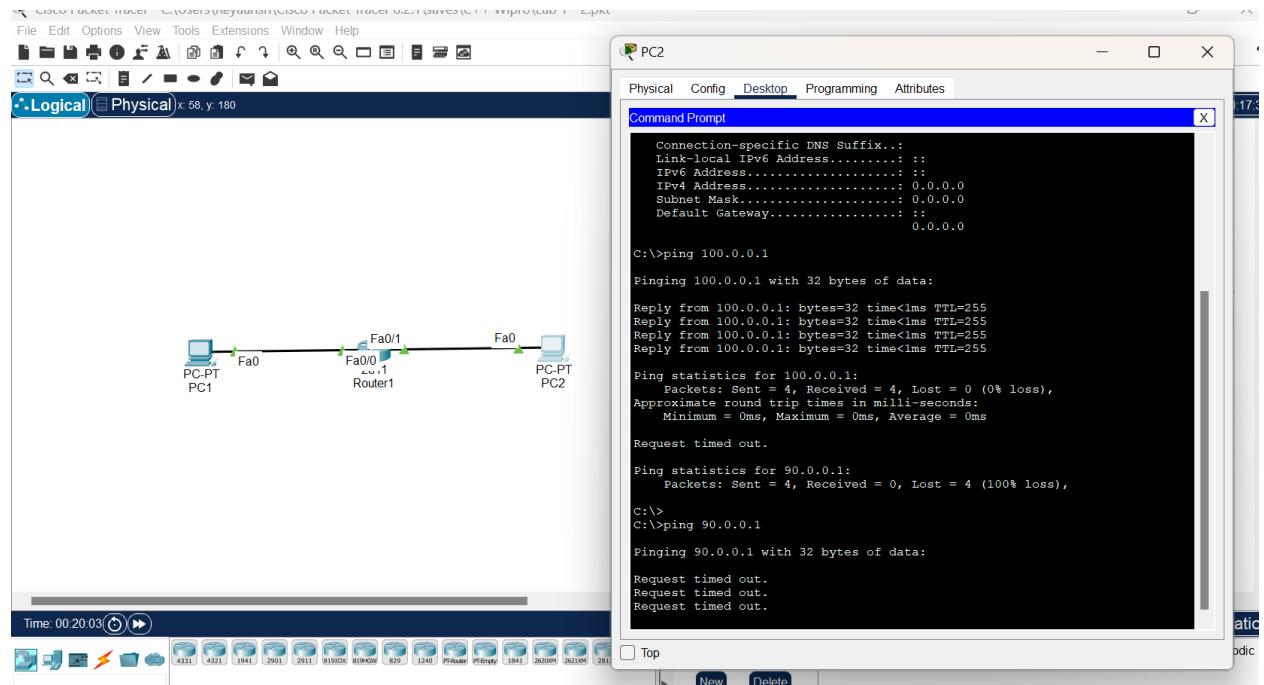
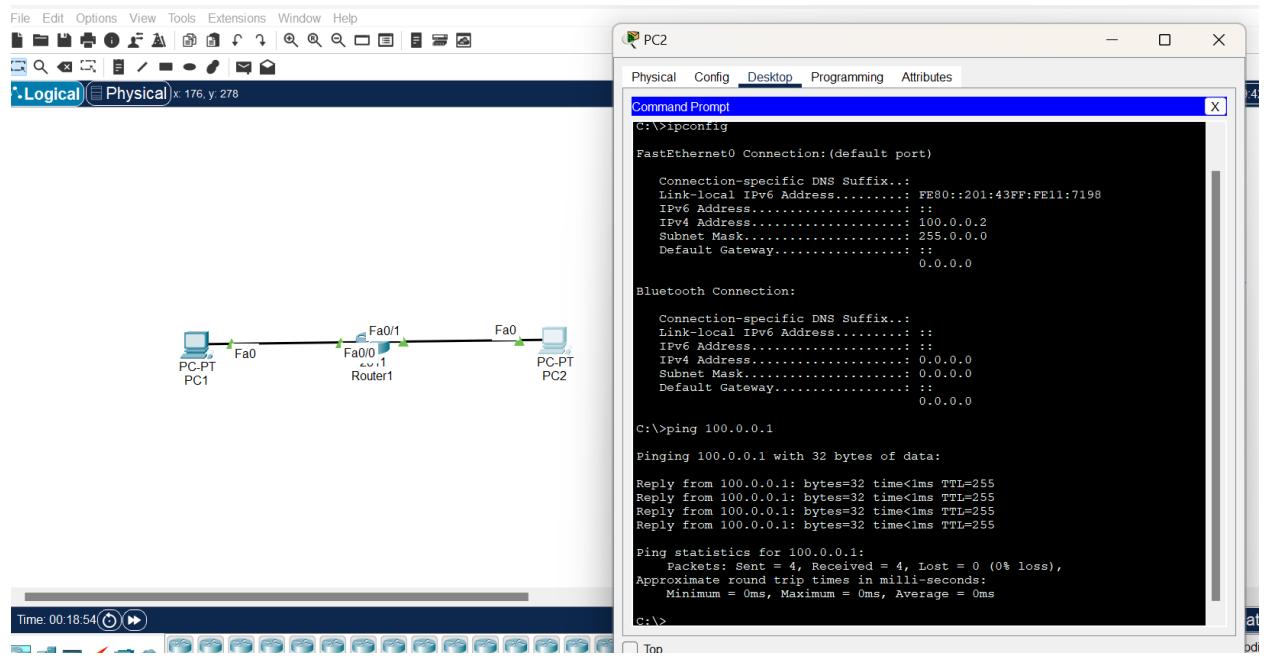
```

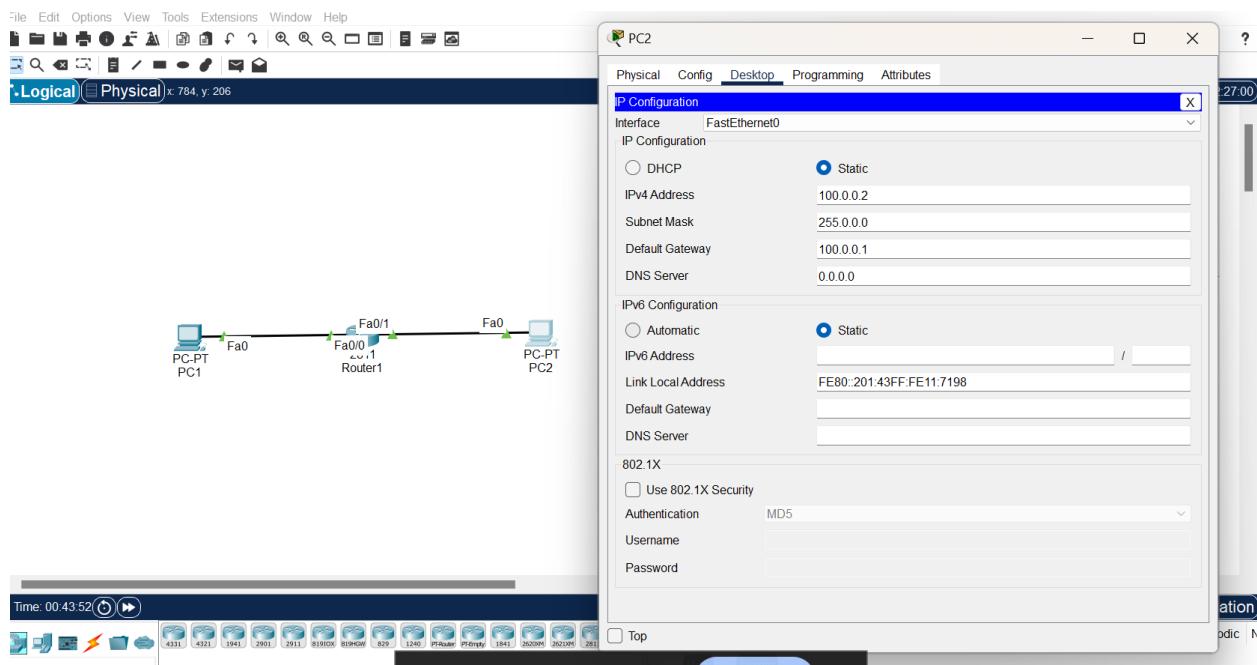
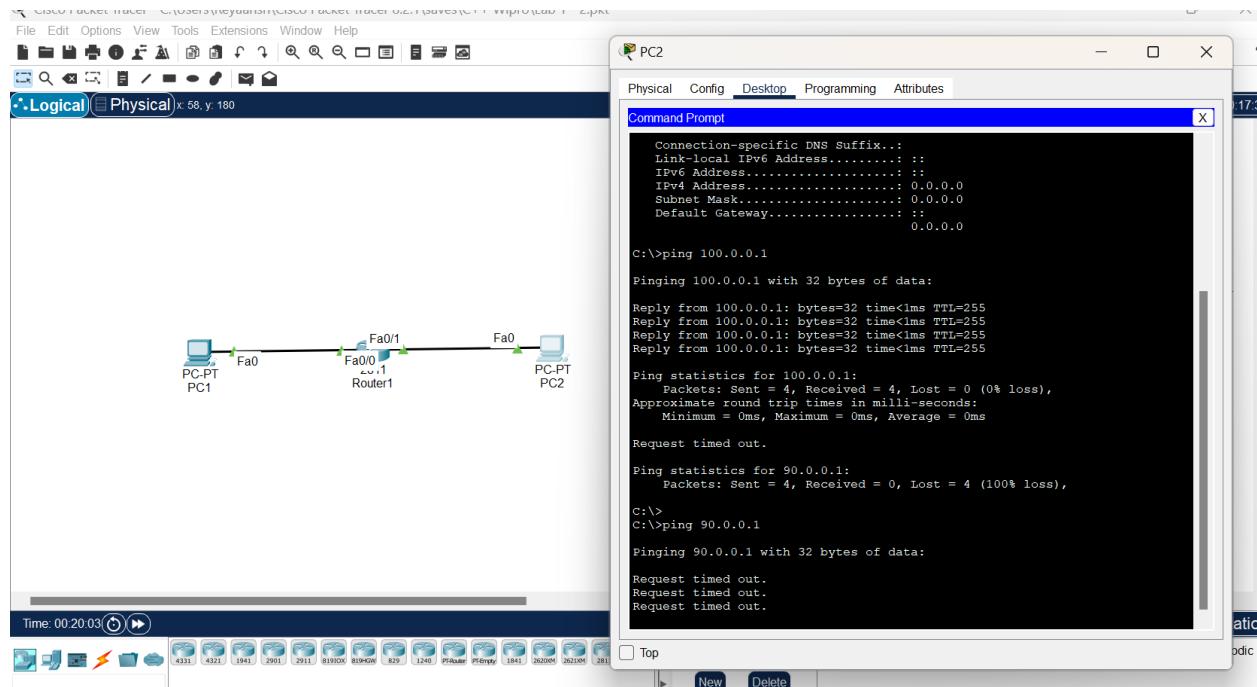




Lab 3: Configuring Default Gateway

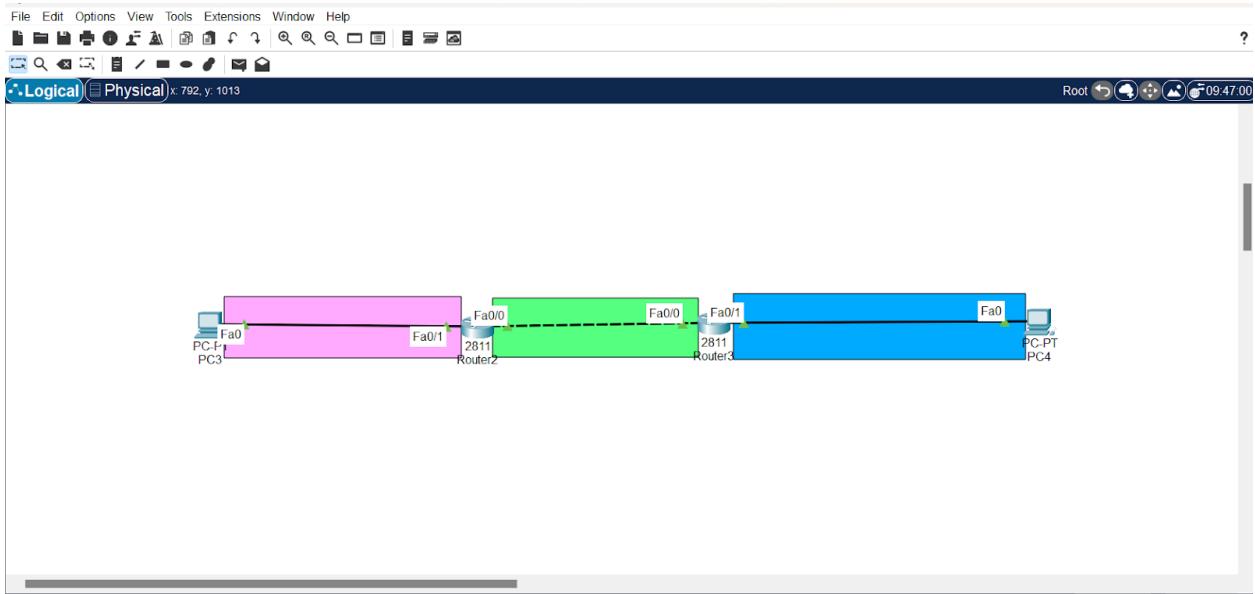






Date:07/06/2024

Lab 4 : Static Routing (on two routers)



Physical Config CLI Attributes

GLOBAL
Settings
Algorithm Settings

ROUTING
Static
RIP

SWITCHING
VLAN Database

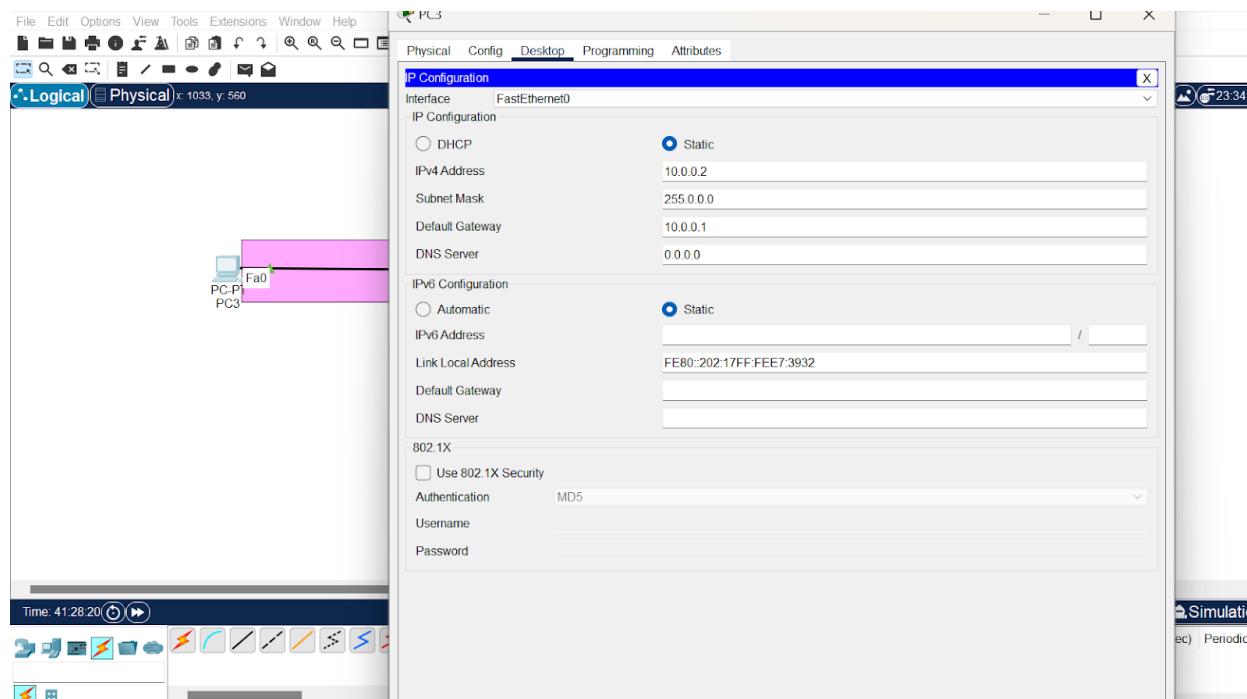
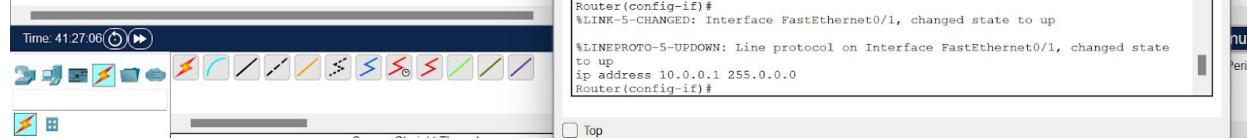
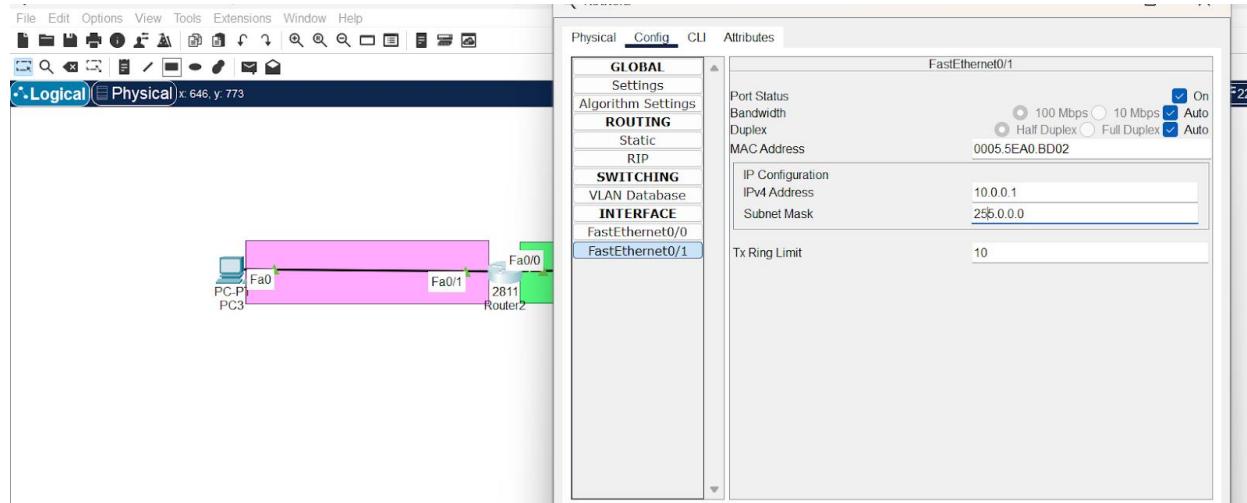
INTERFACE
FastEthernet0/0
FastEthernet0/1

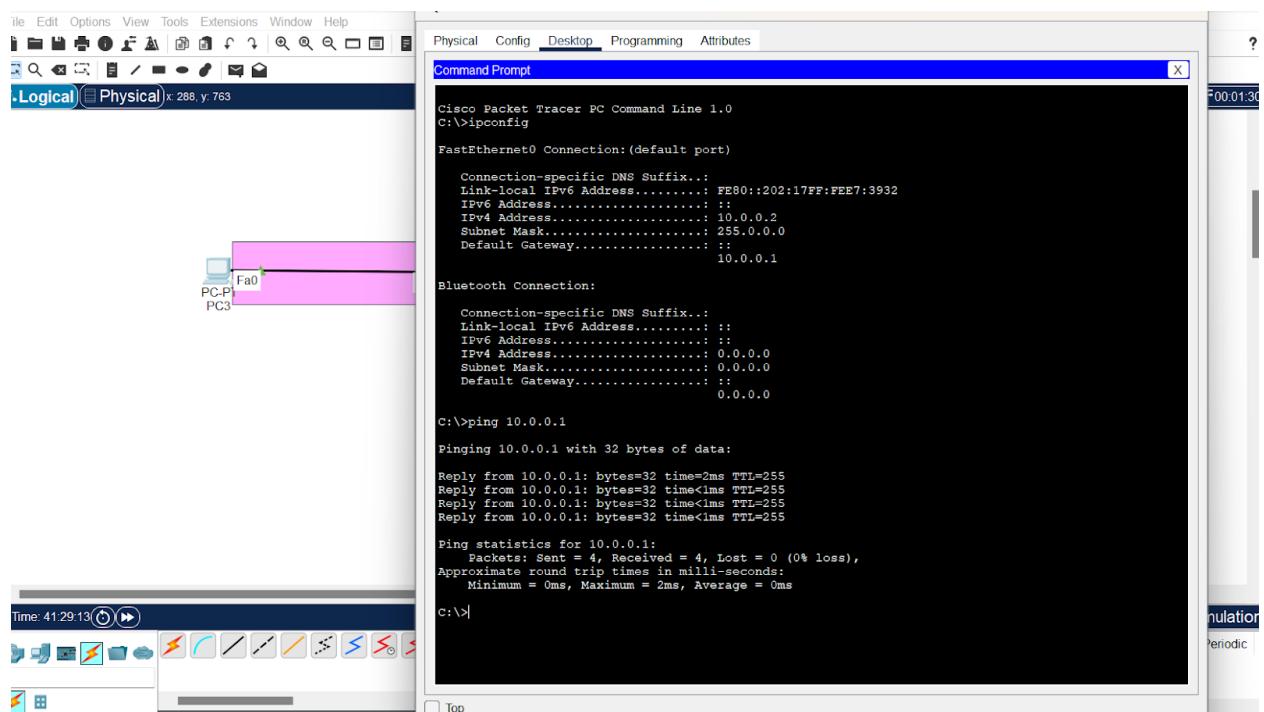
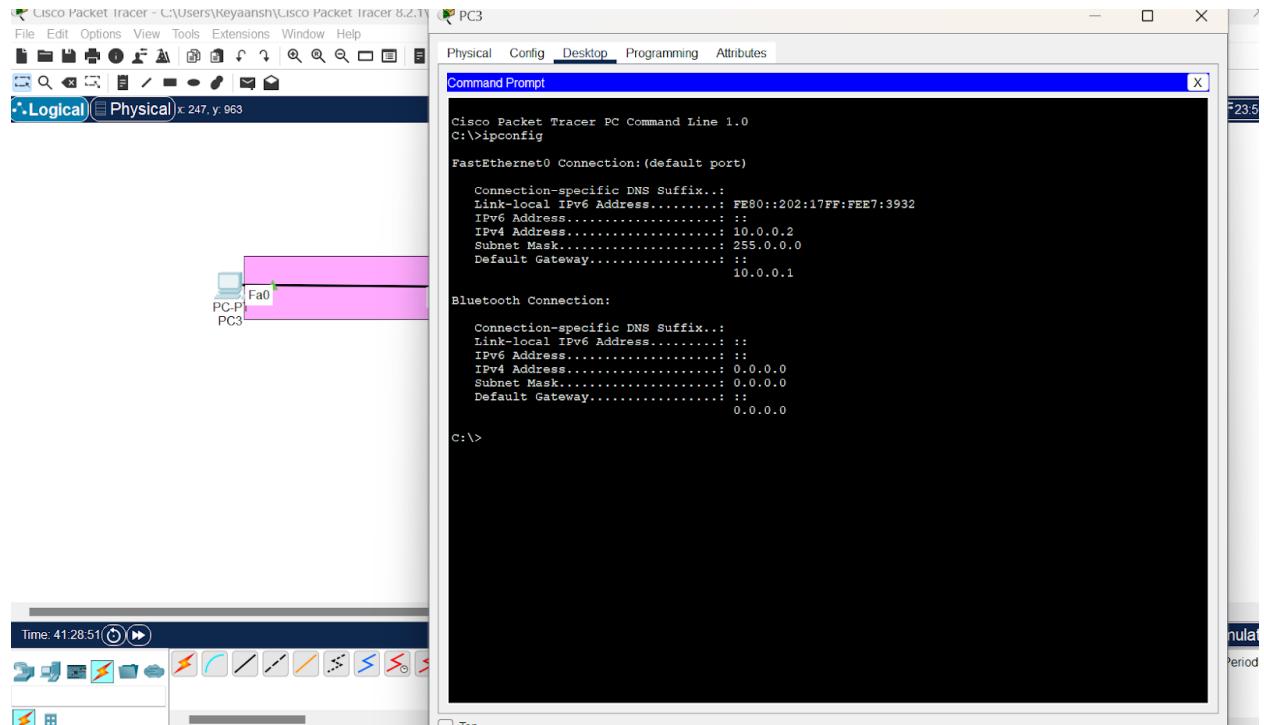
FastEthernet0/0

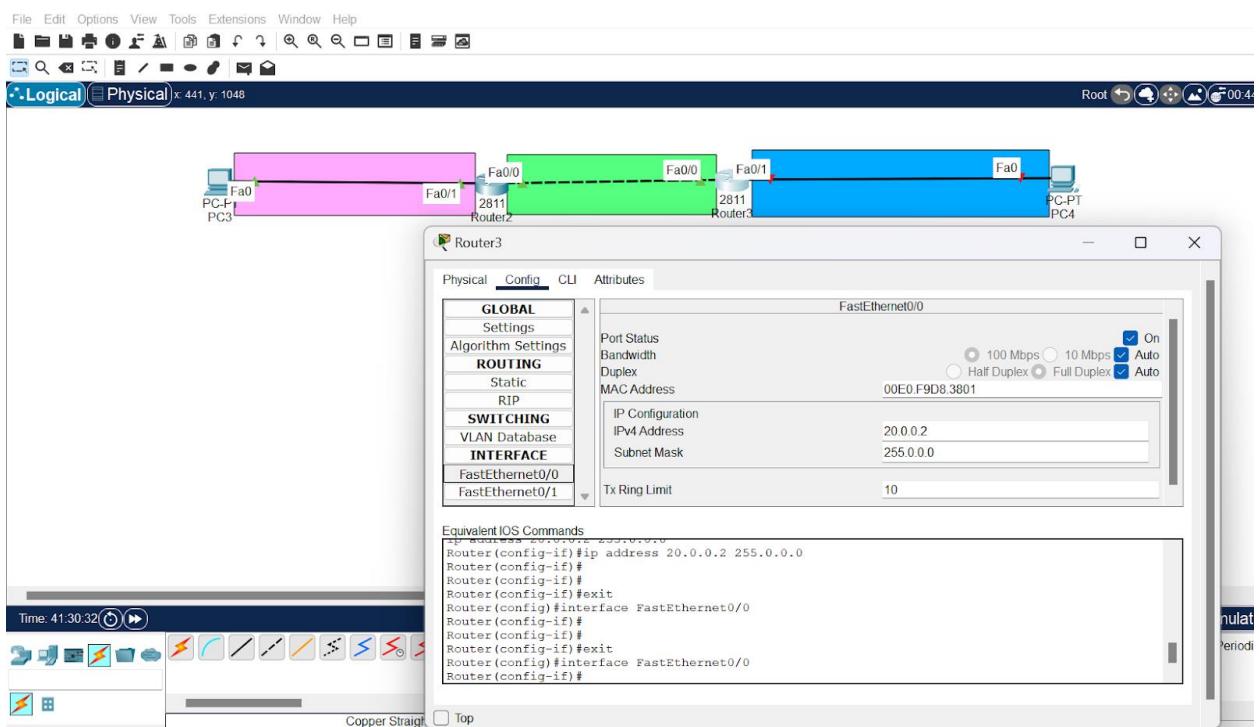
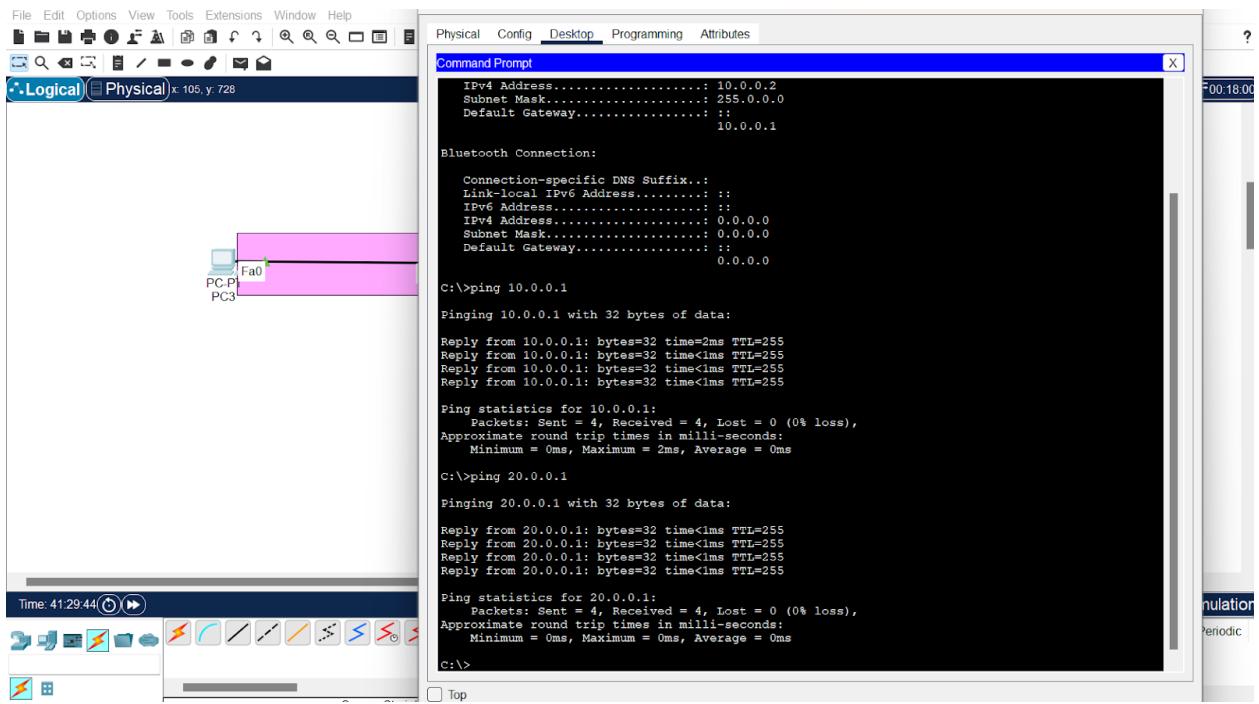
Port Status	On
Bandwidth	100 Mbps
Duplex	Auto
MAC Address	0005.5EA0 BD01
IP Configuration	
IPv4 Address	20.0.0.1
Subnet Mask	255.0.0.0
Tx Ring Limit	10

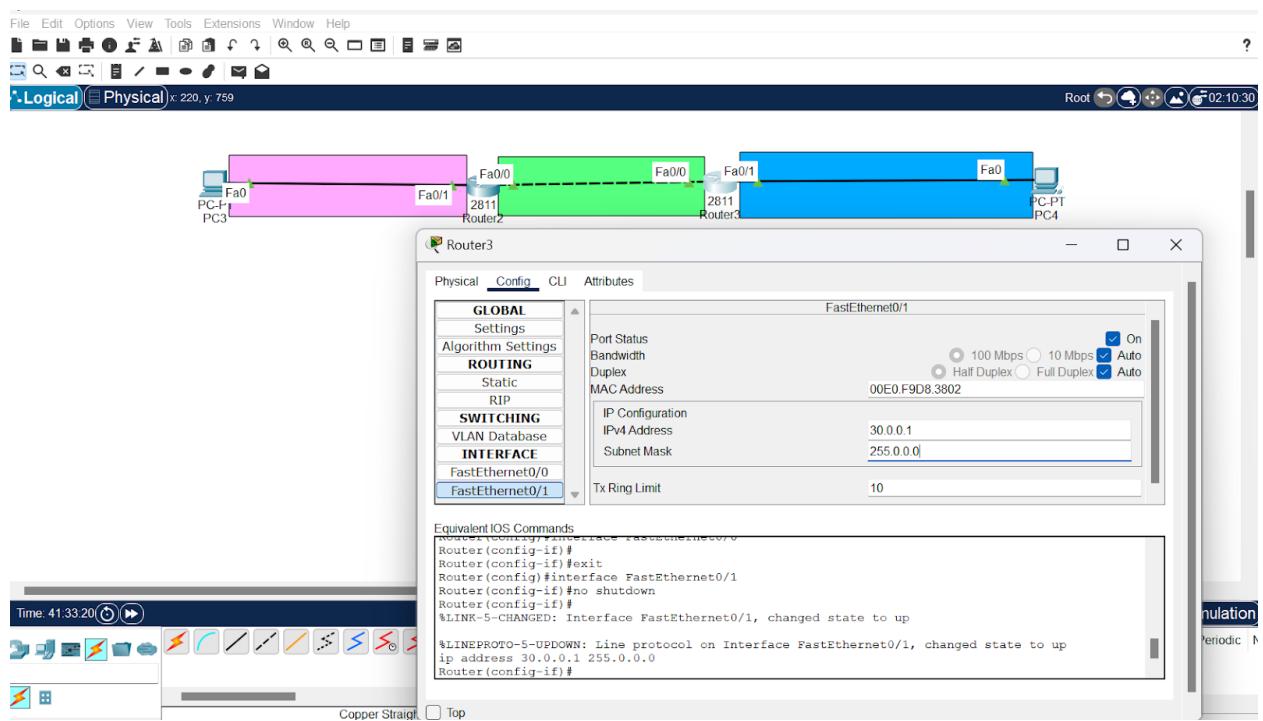
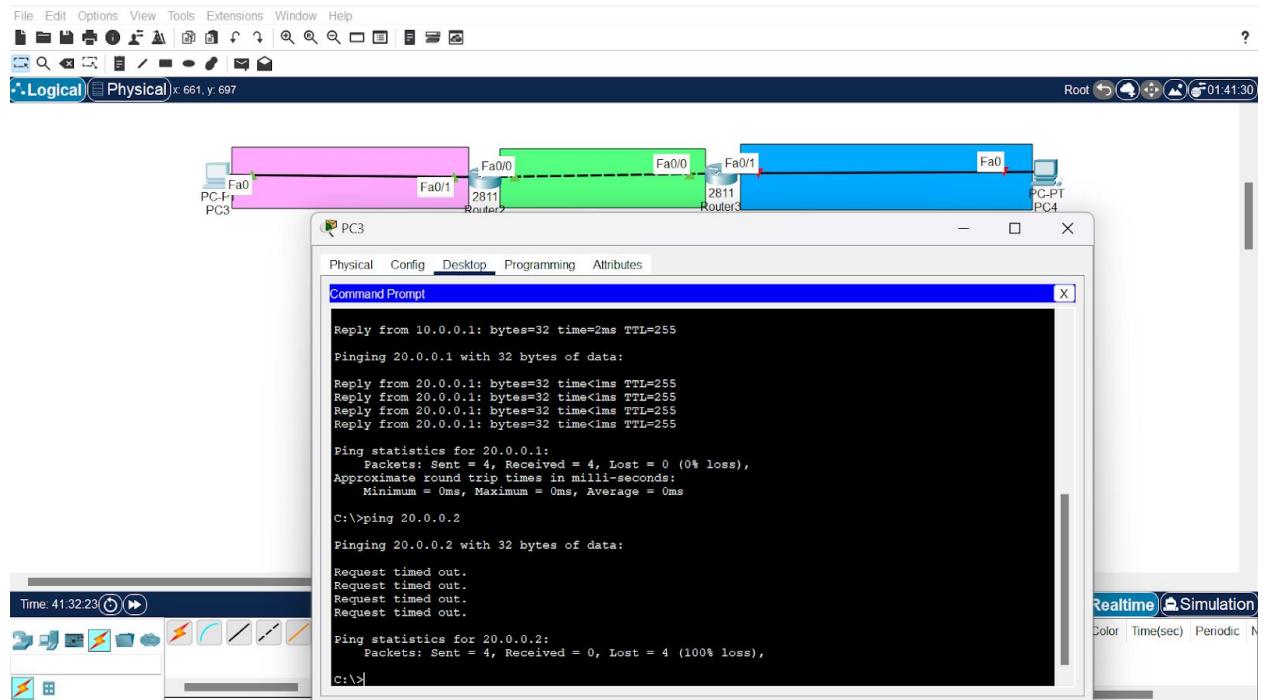
Equivalent IOS Commands

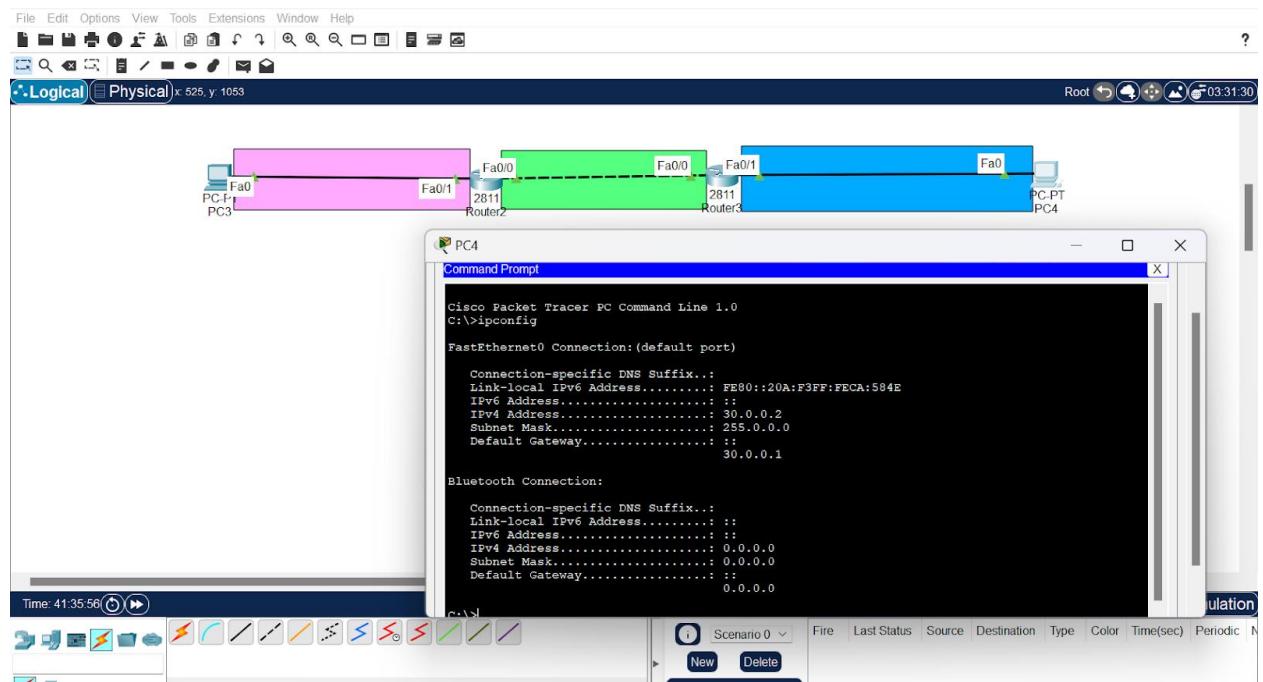
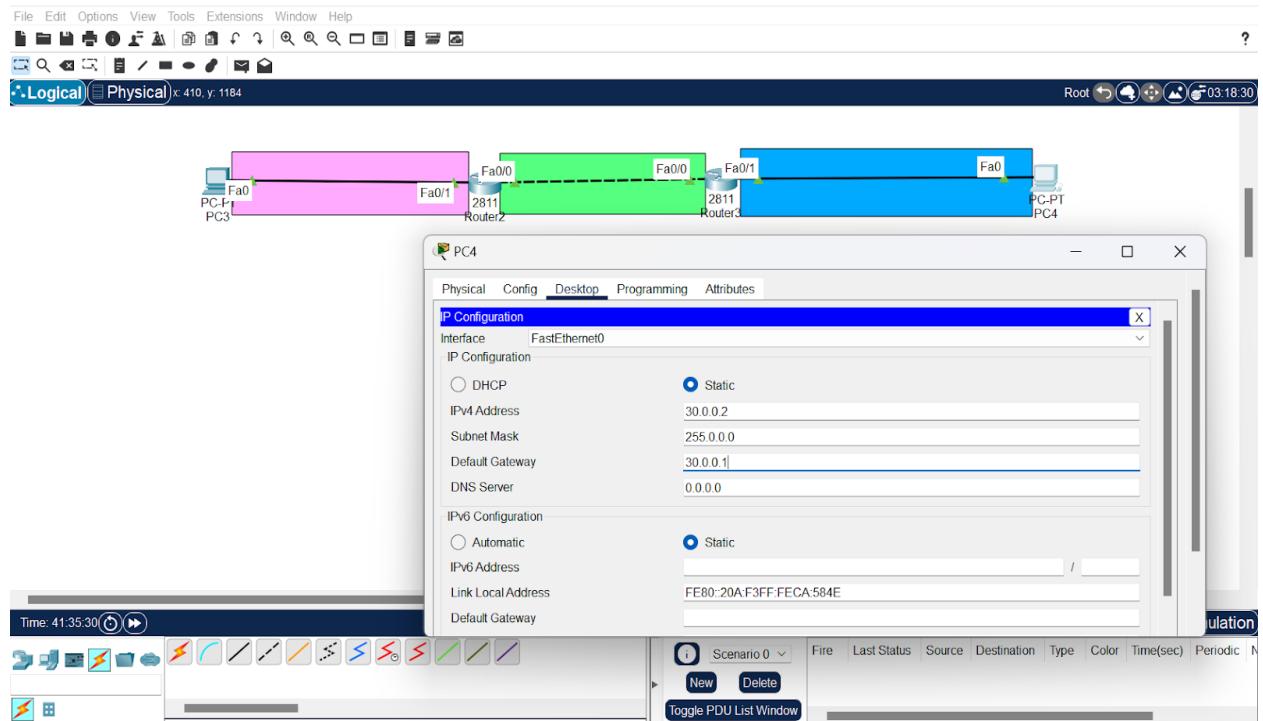
```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
ip address 20.0.0.1 255.0.0.0
Router(config-if)#ip address 20.0.0.1 255.0.0.0
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#interface FastEthernet0/0
```

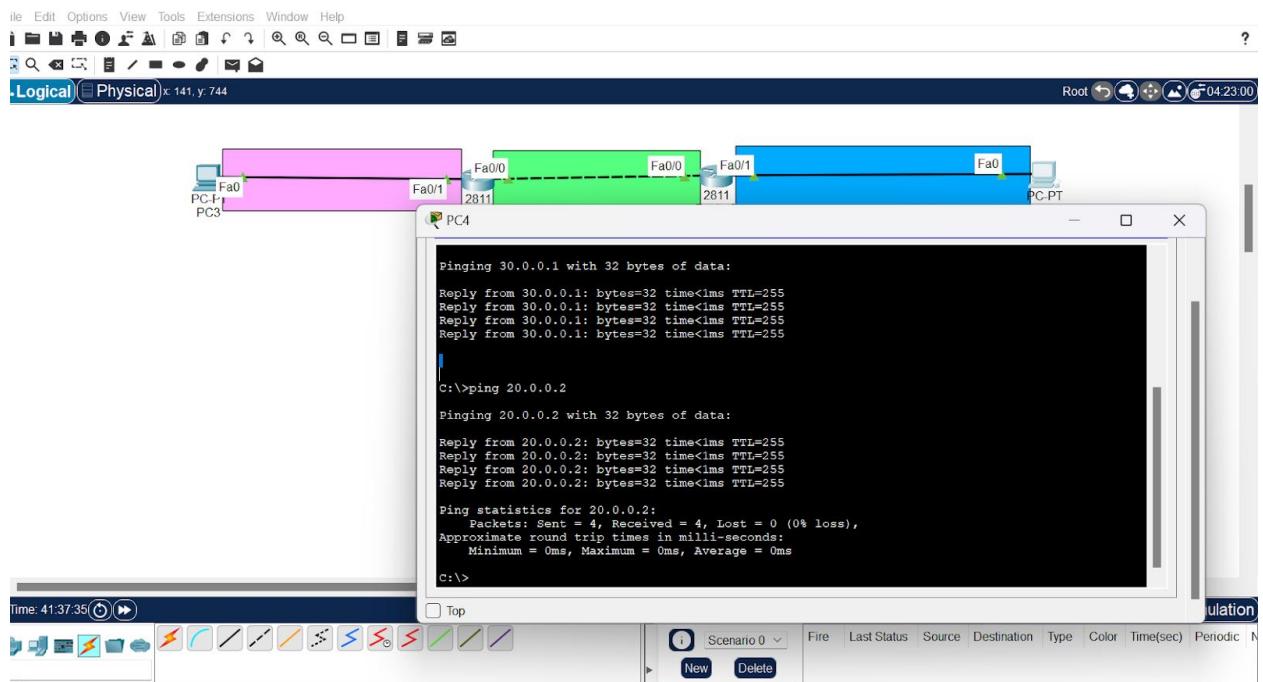
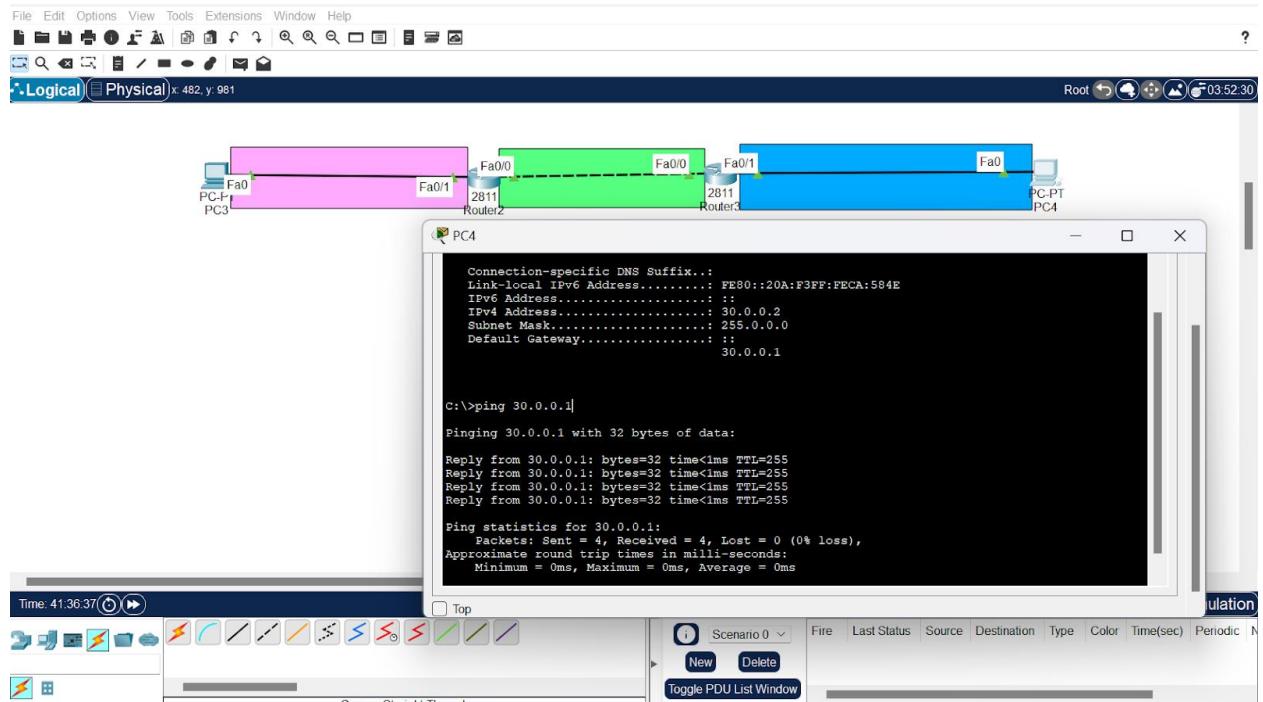


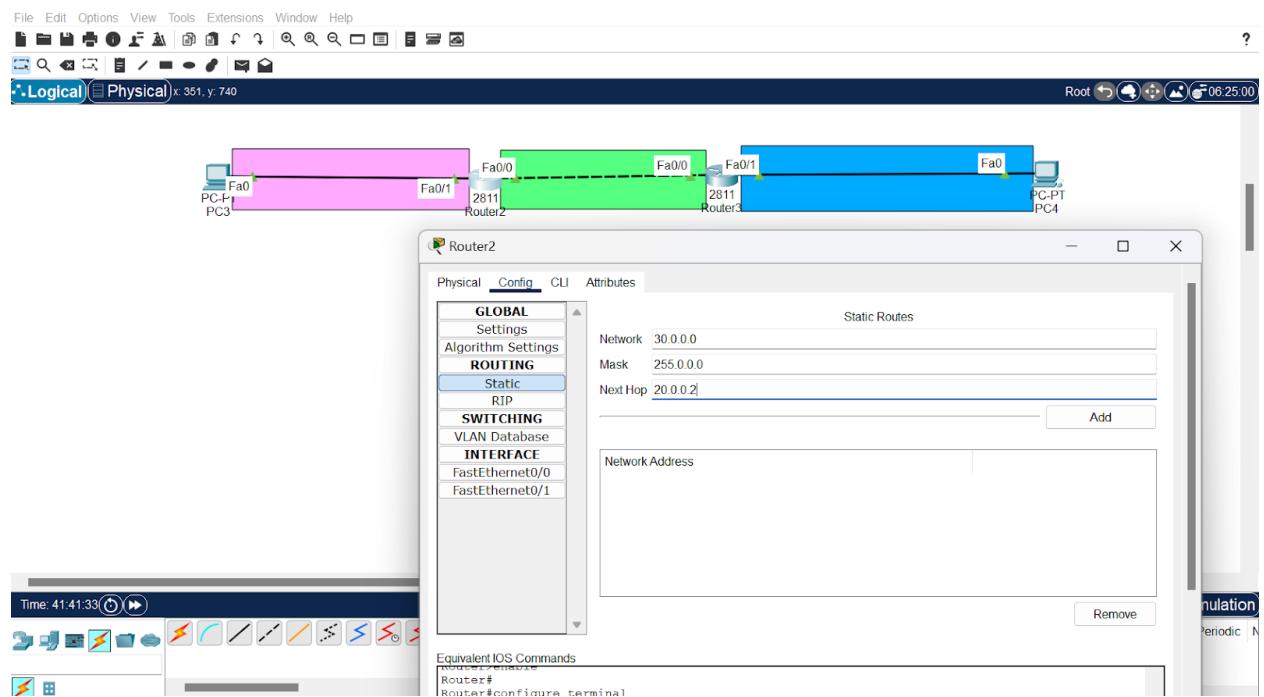
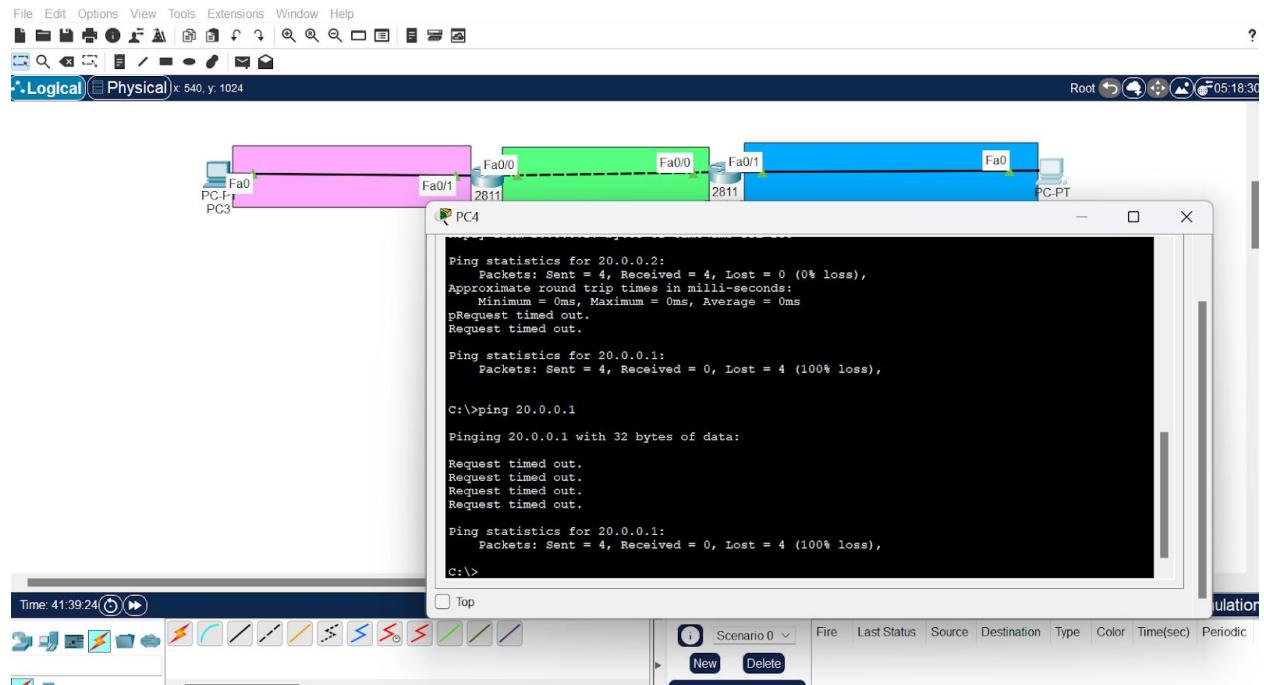


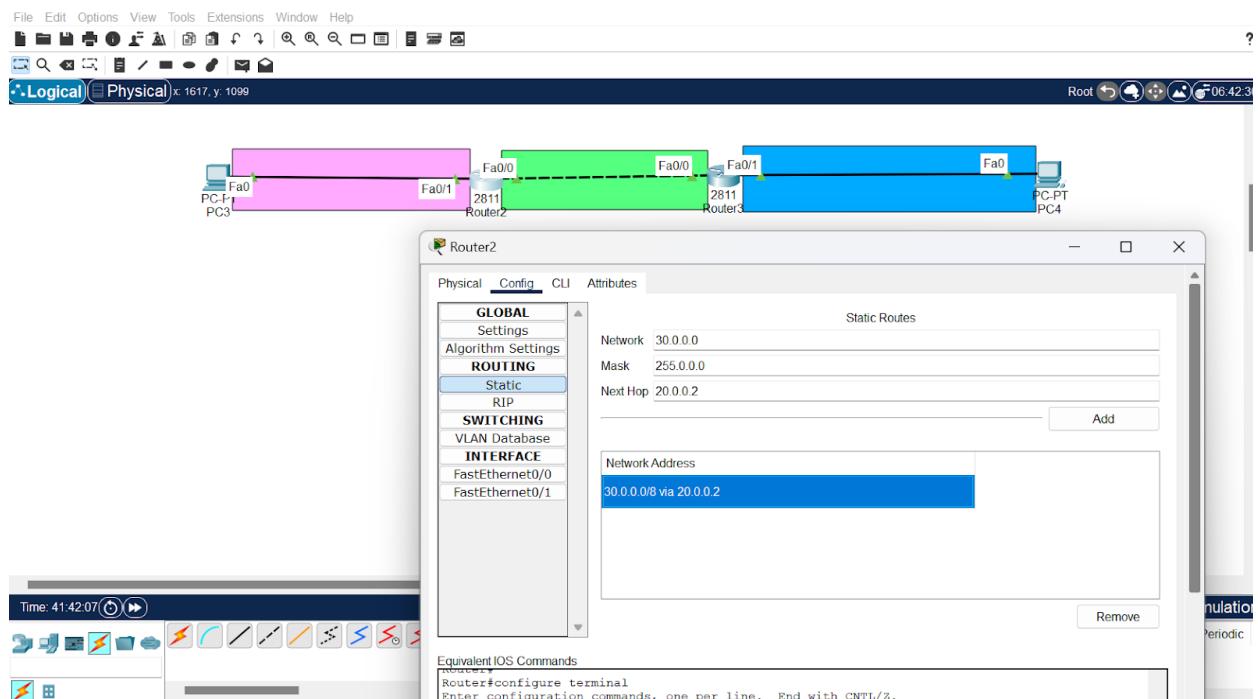
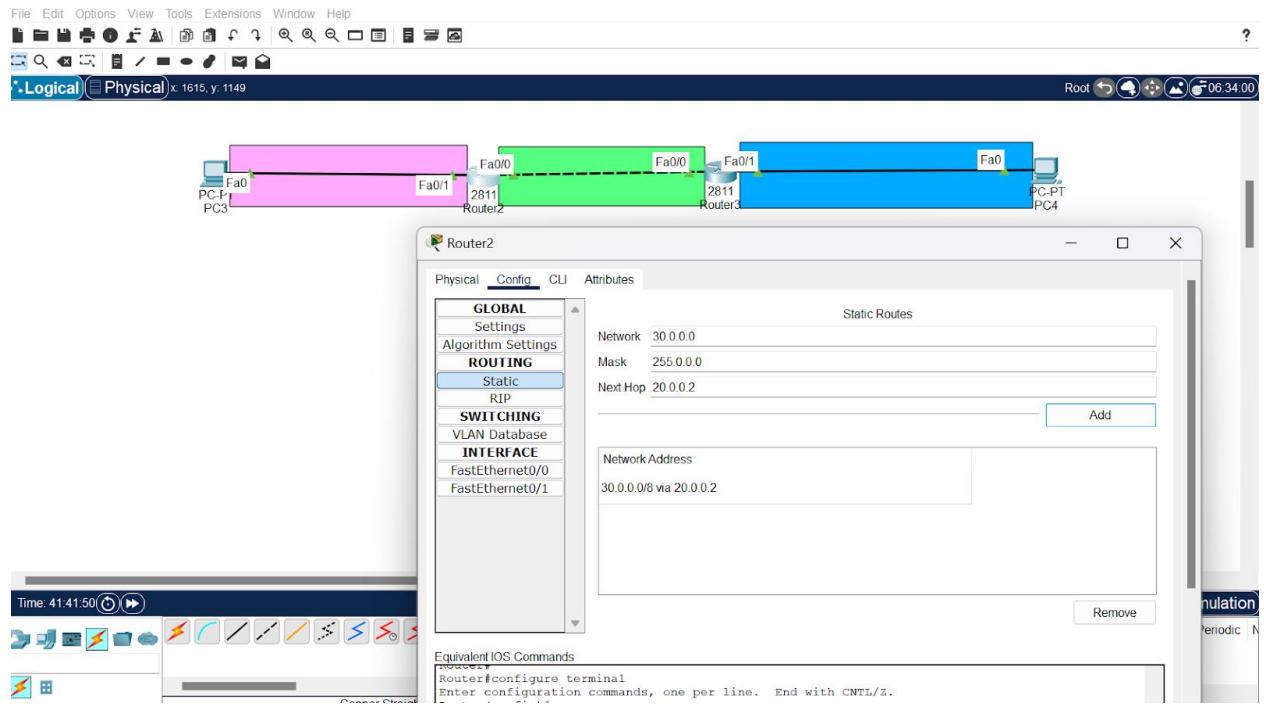


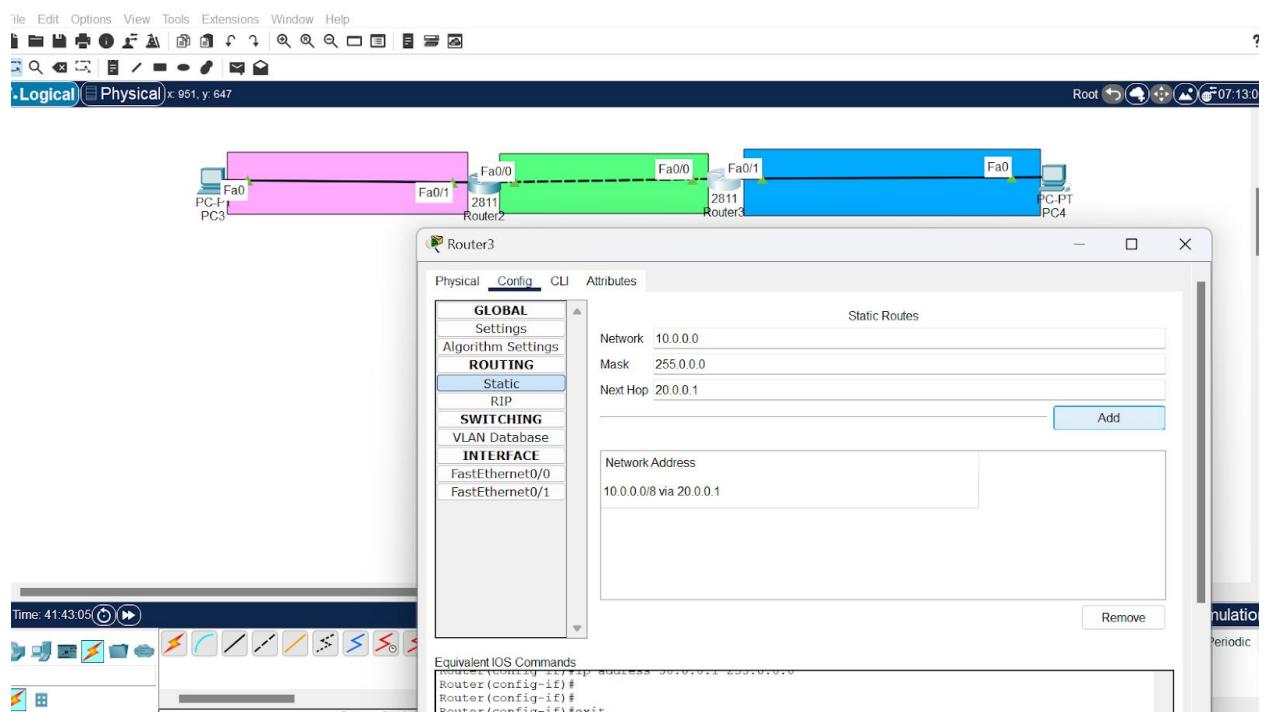
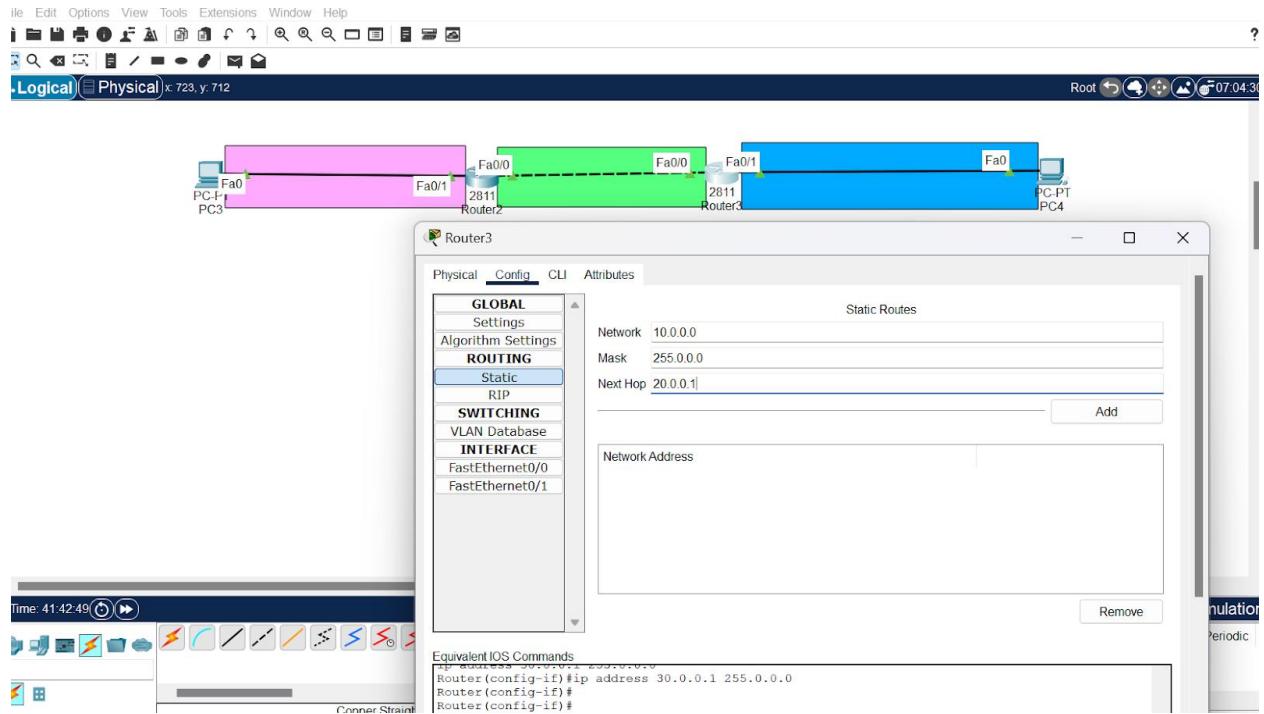


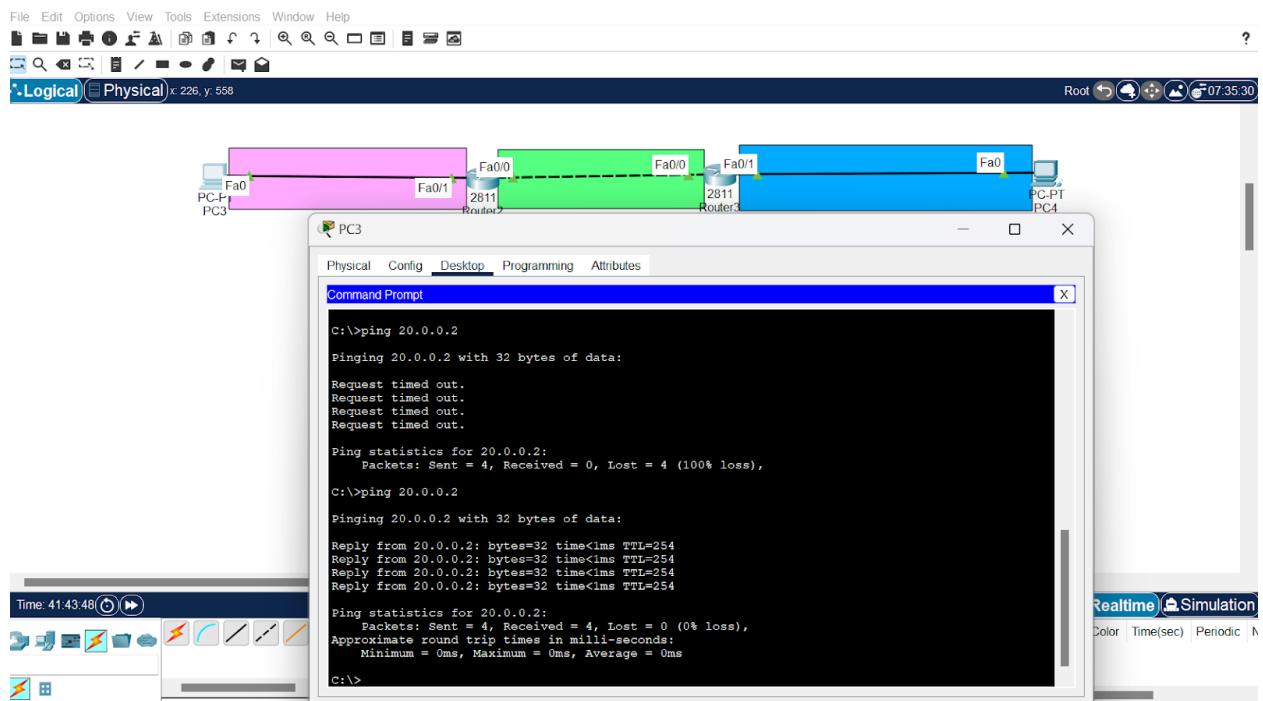
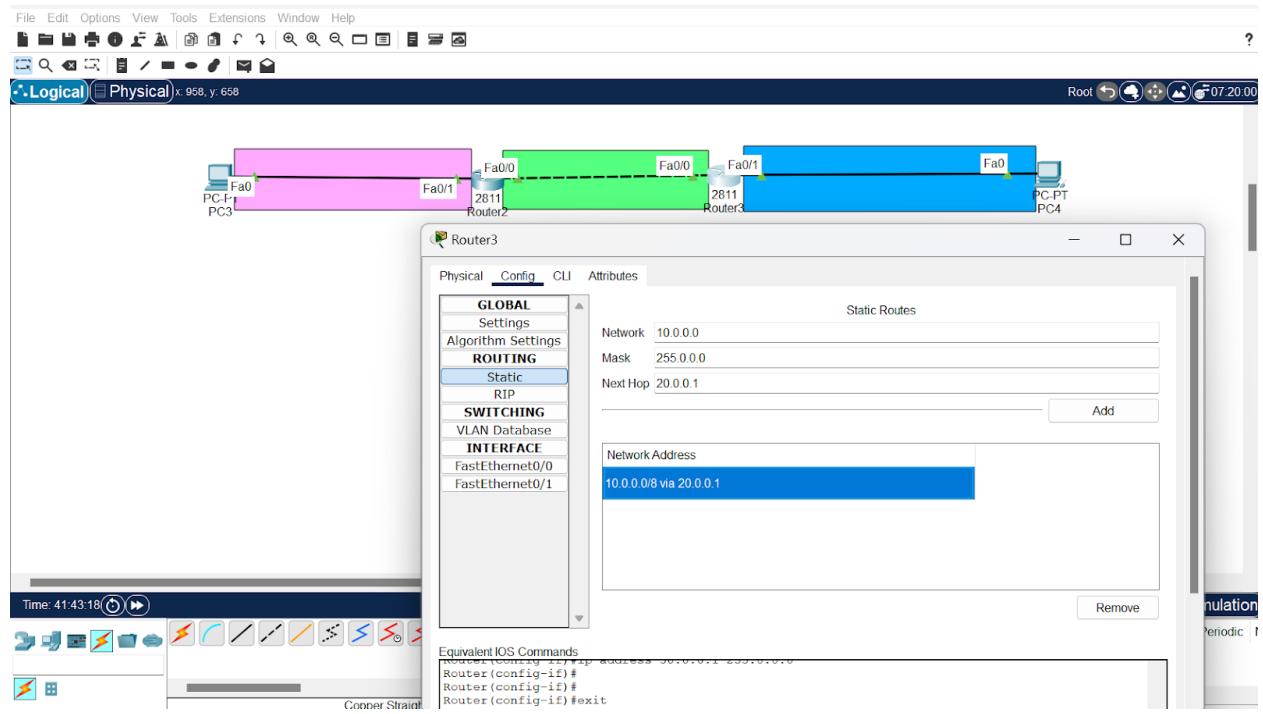


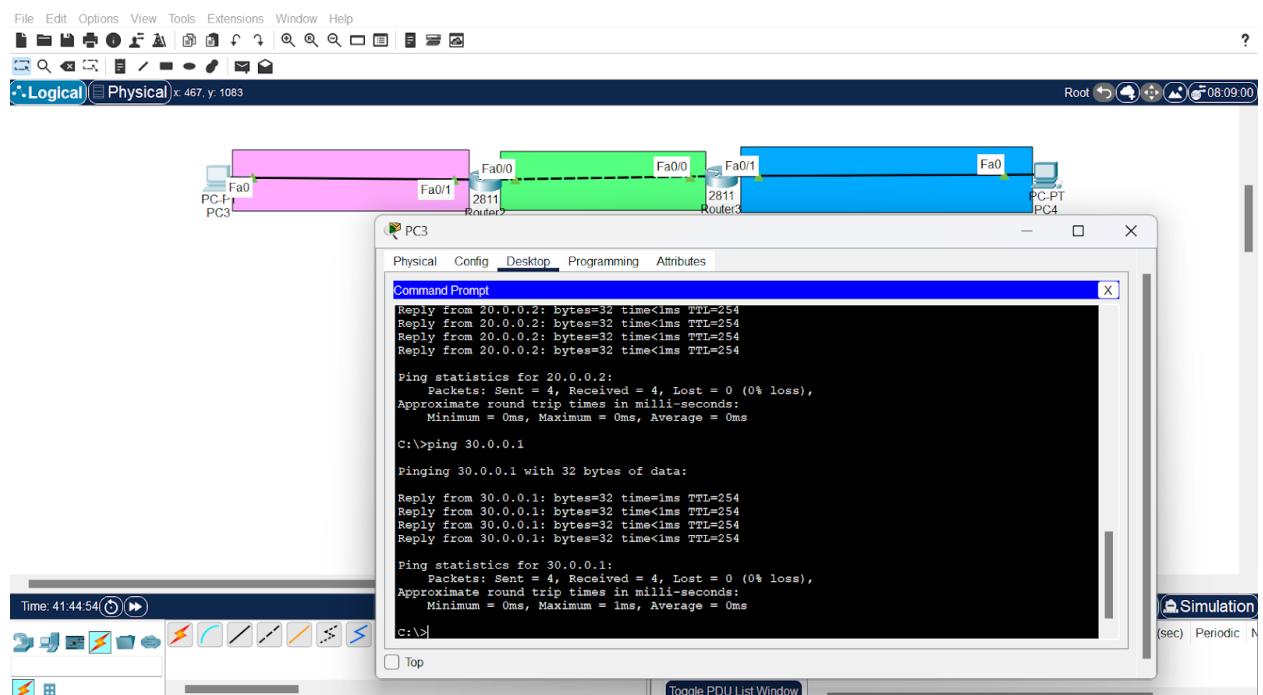
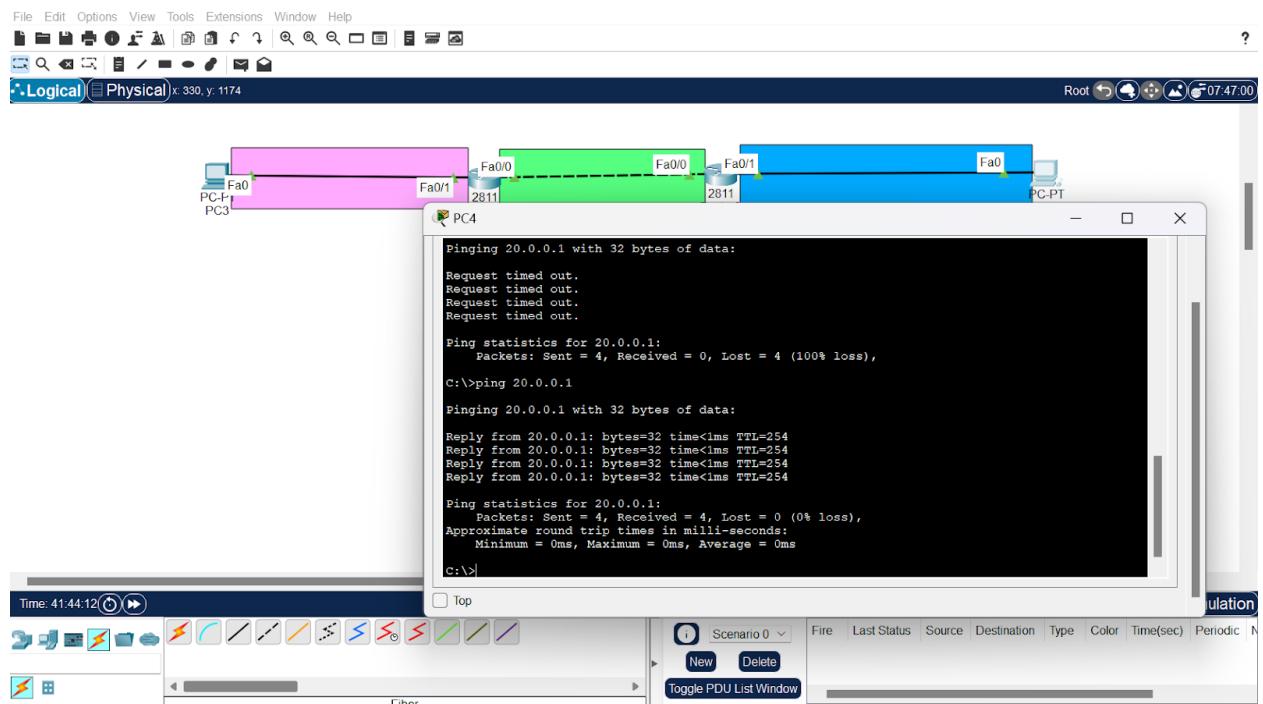


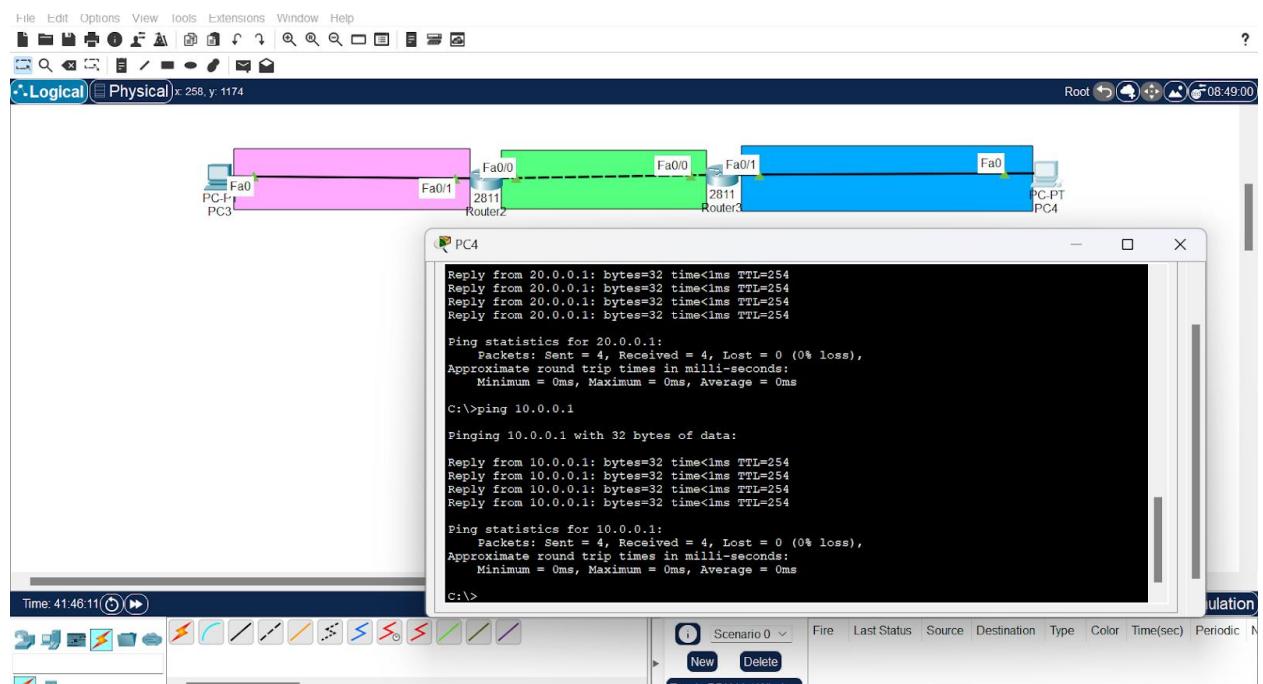
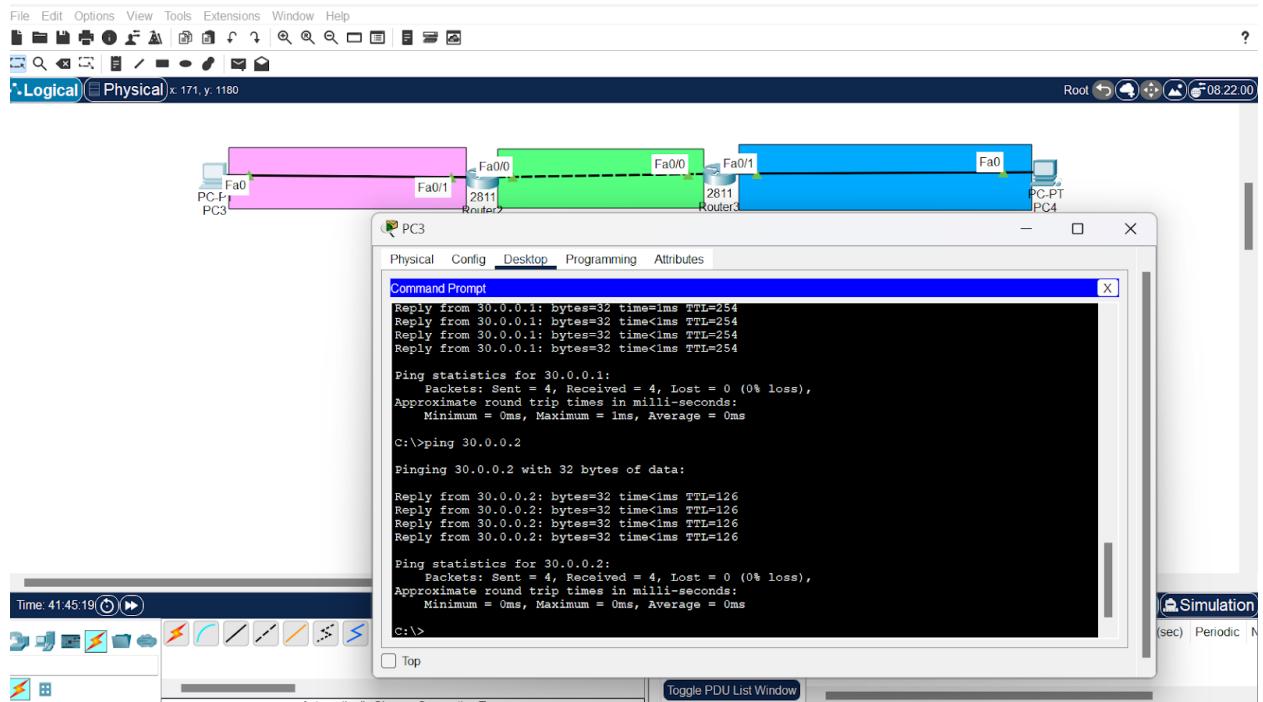


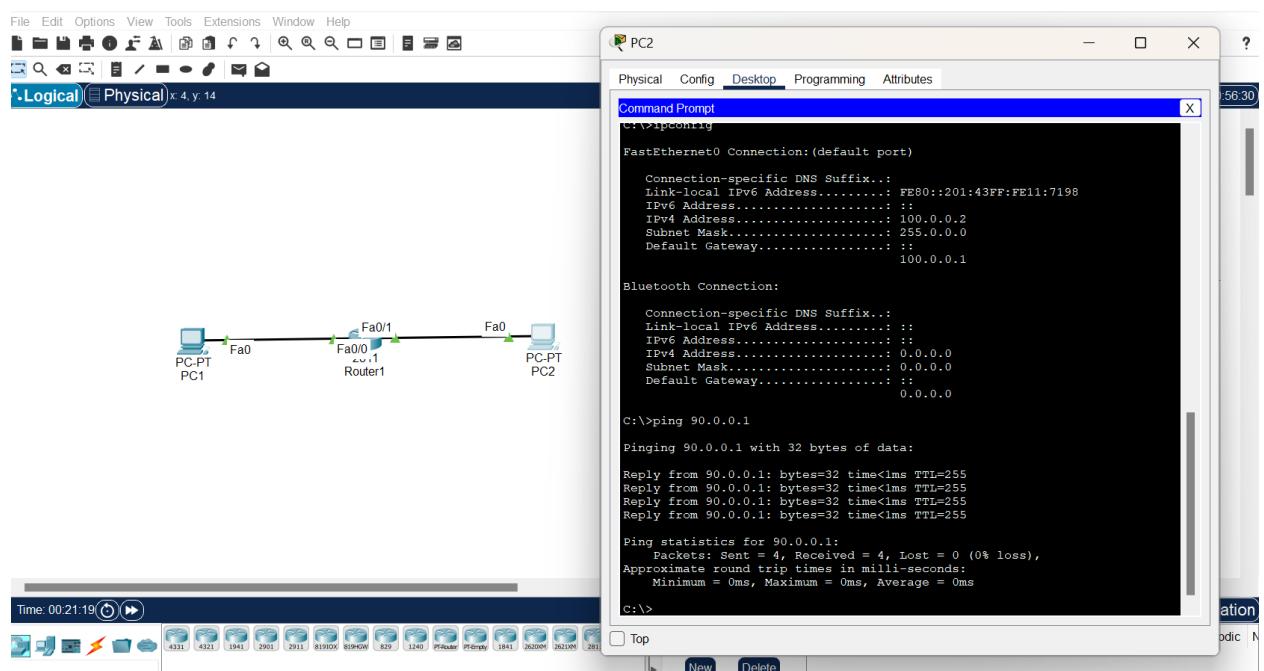
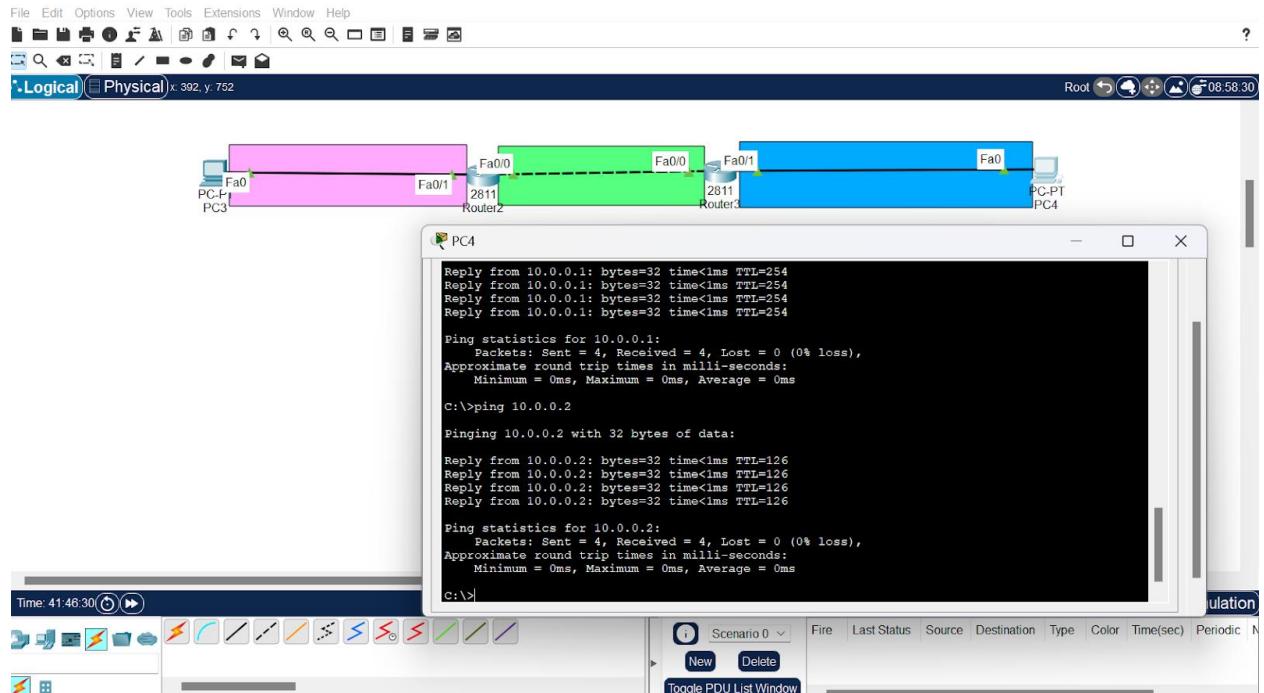




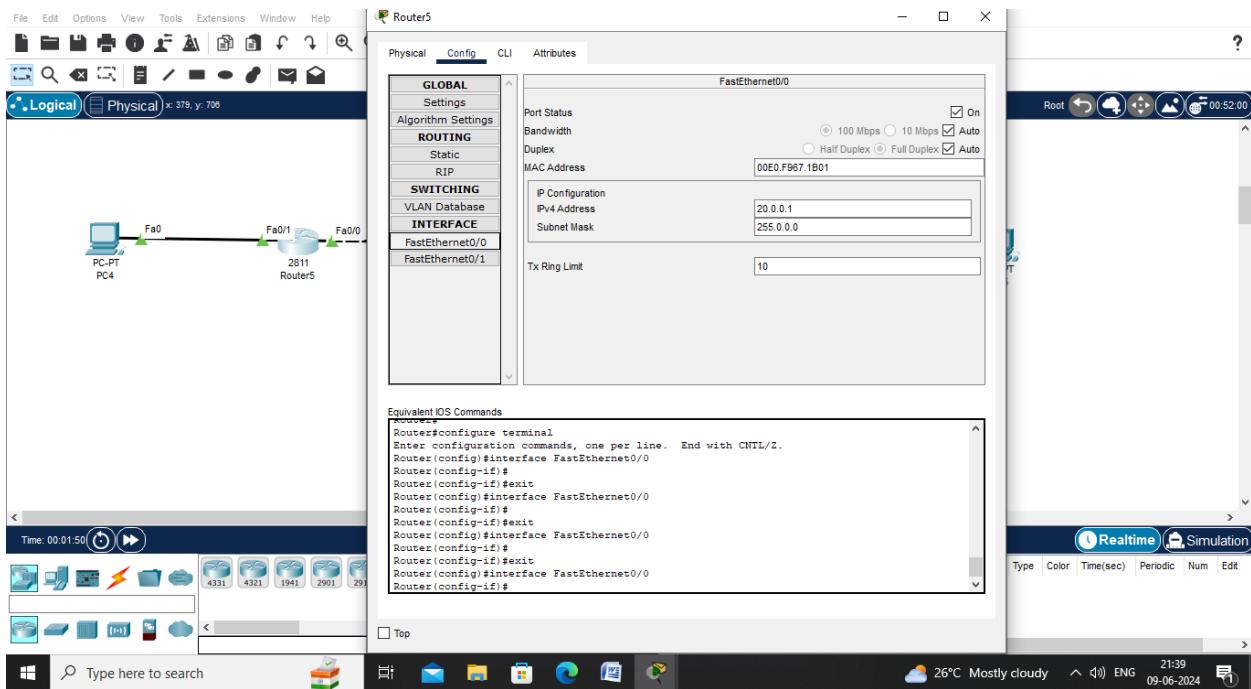
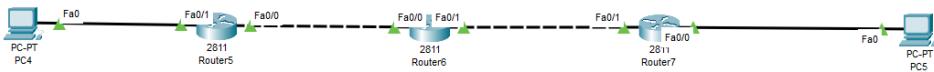


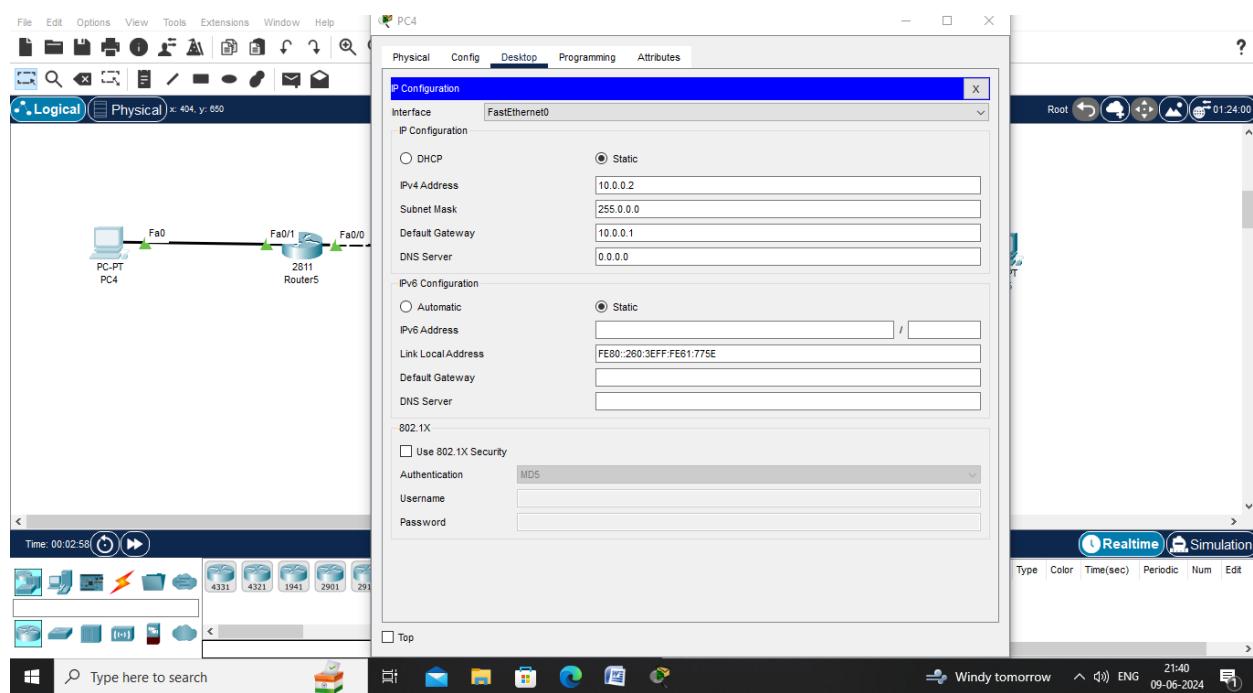
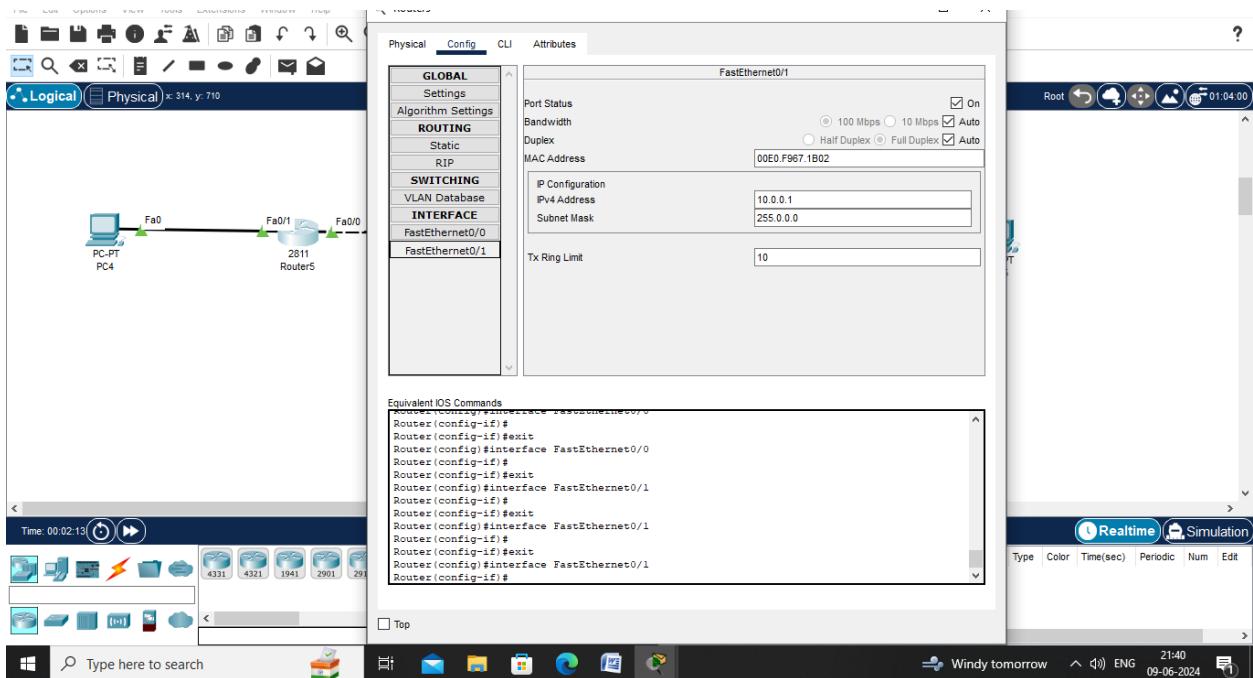


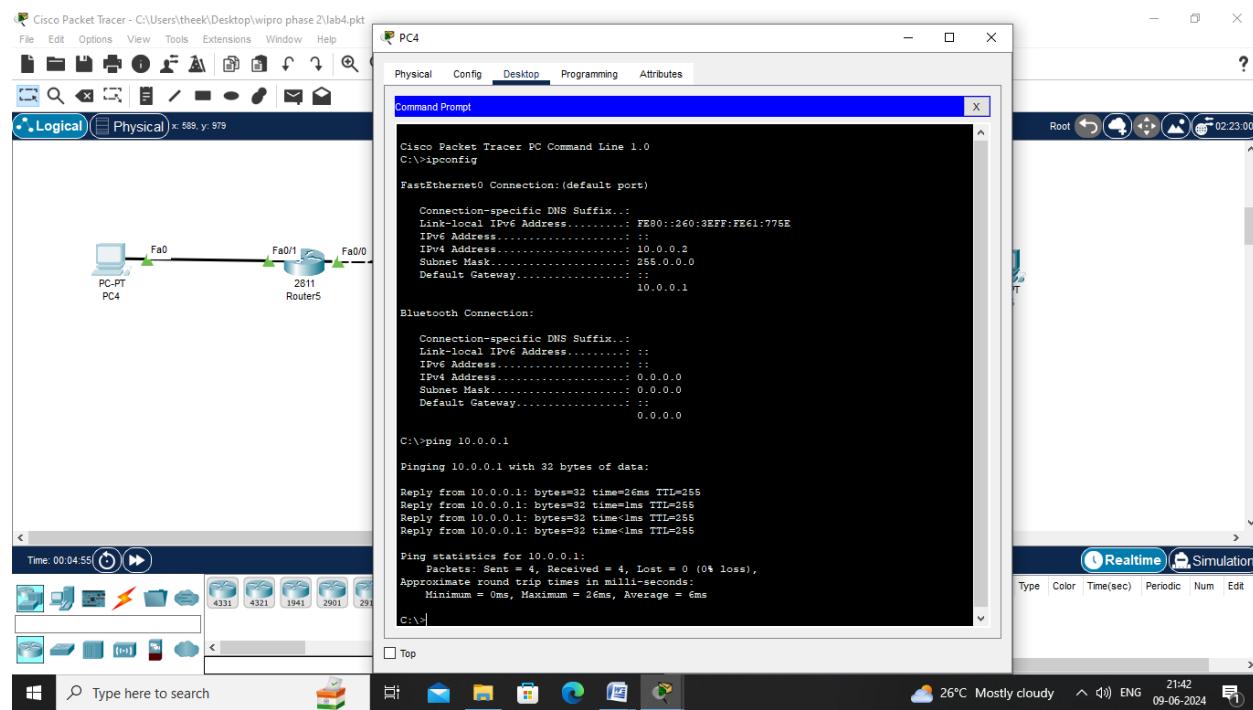
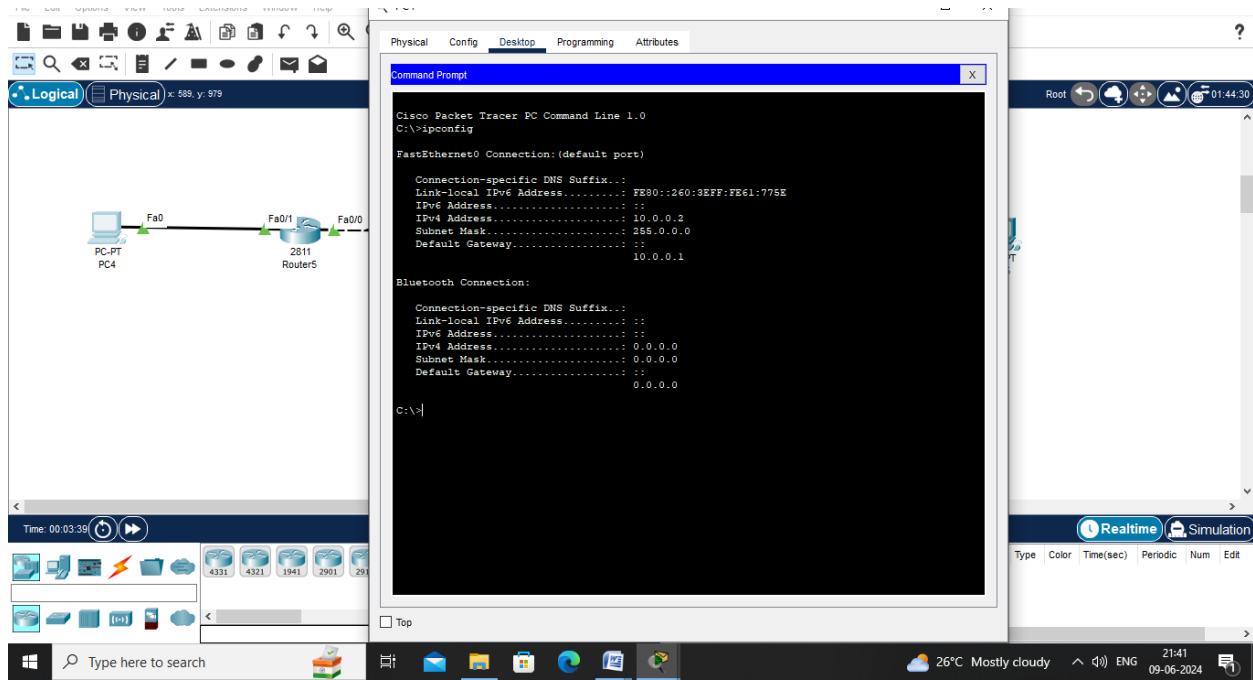


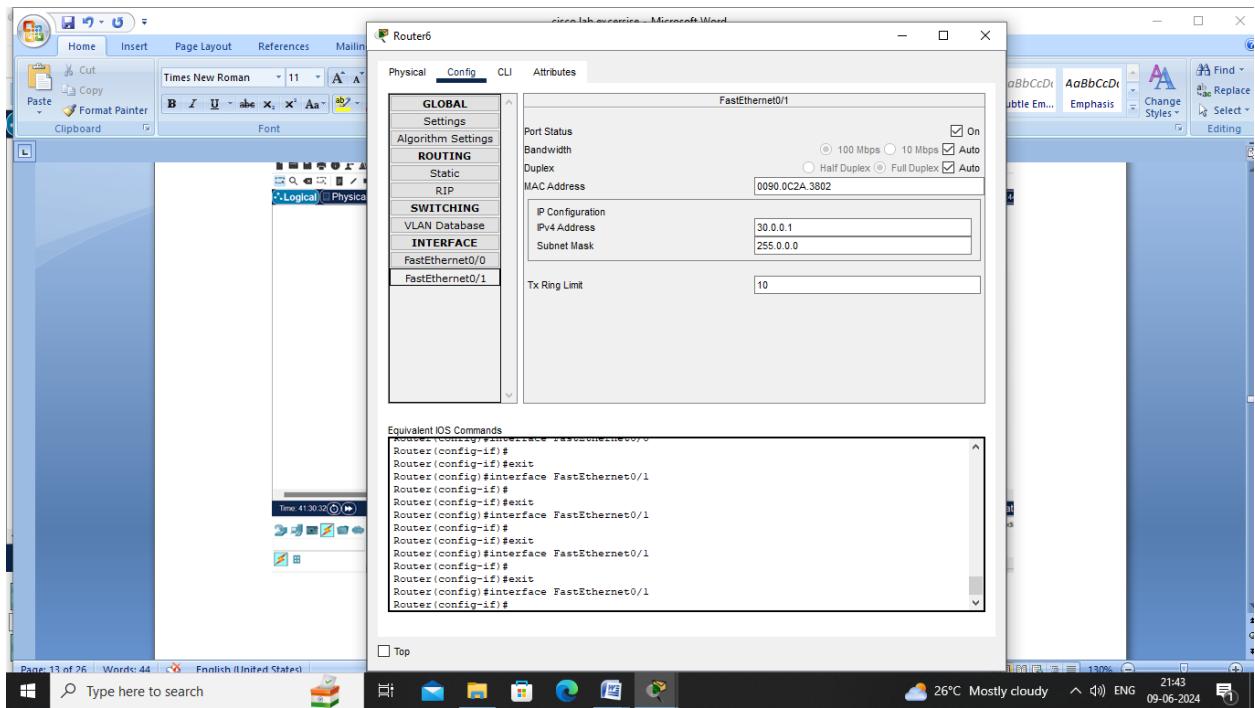
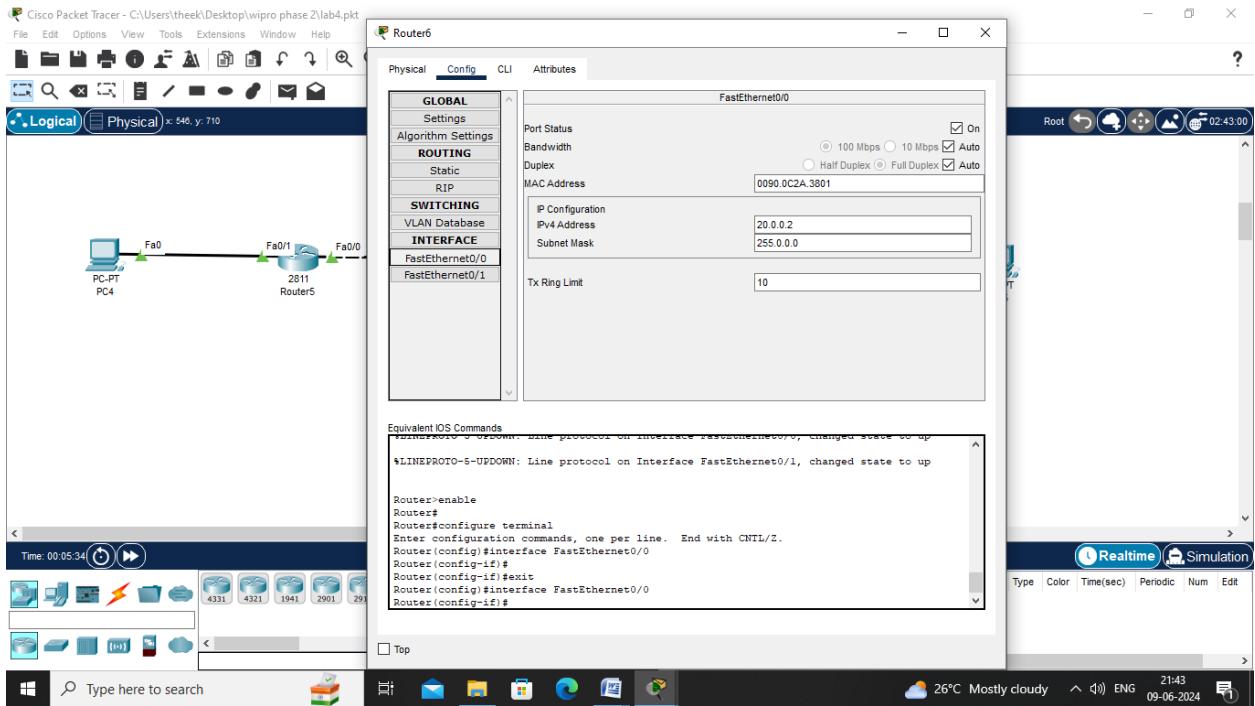


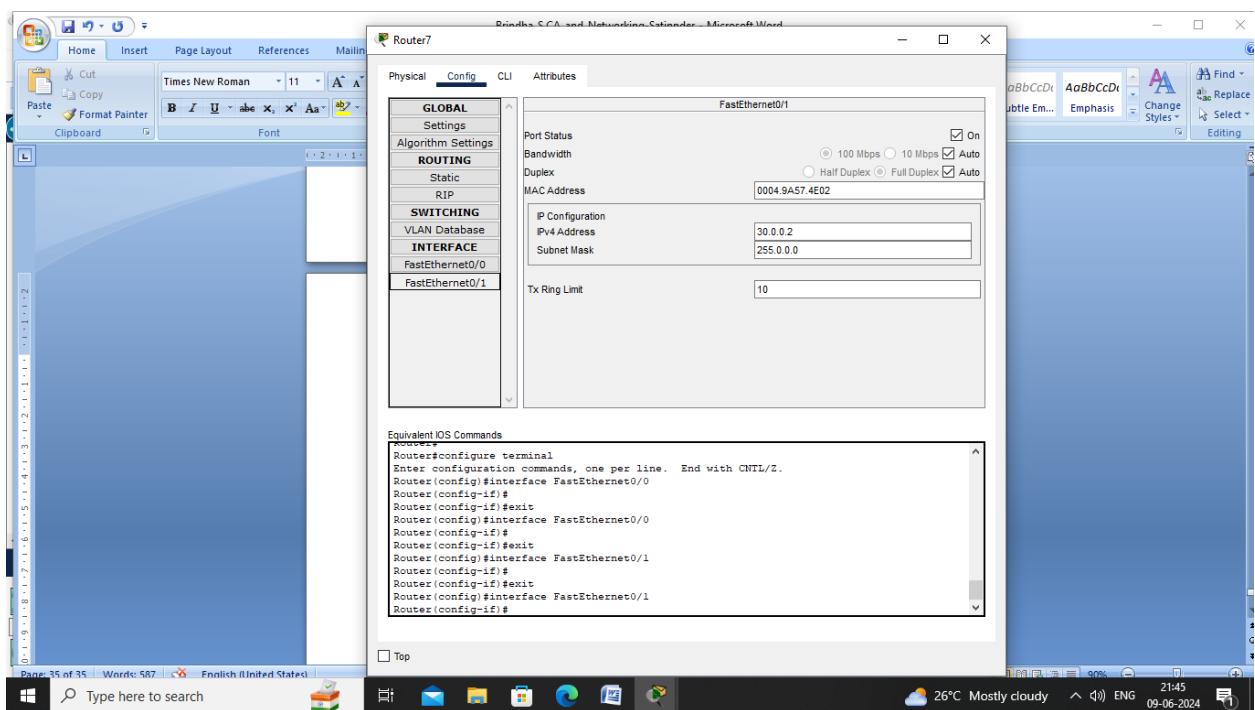
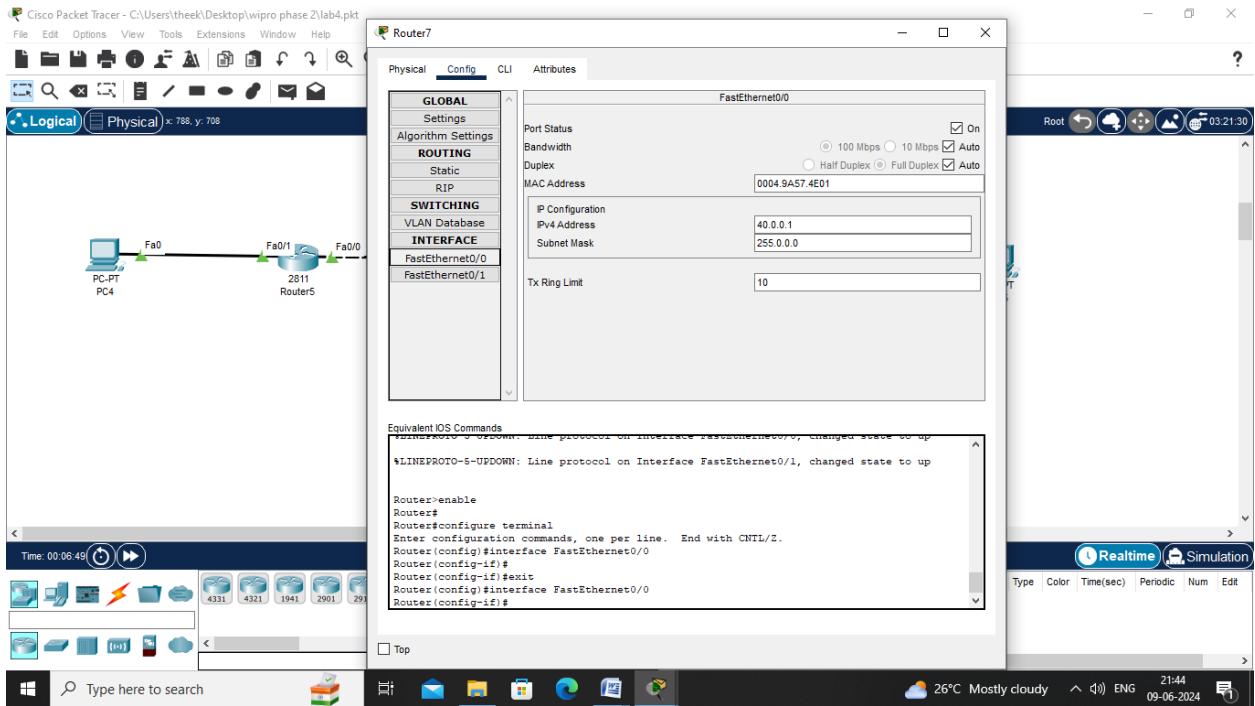
Lab 5 : Static Routing (on three routers)

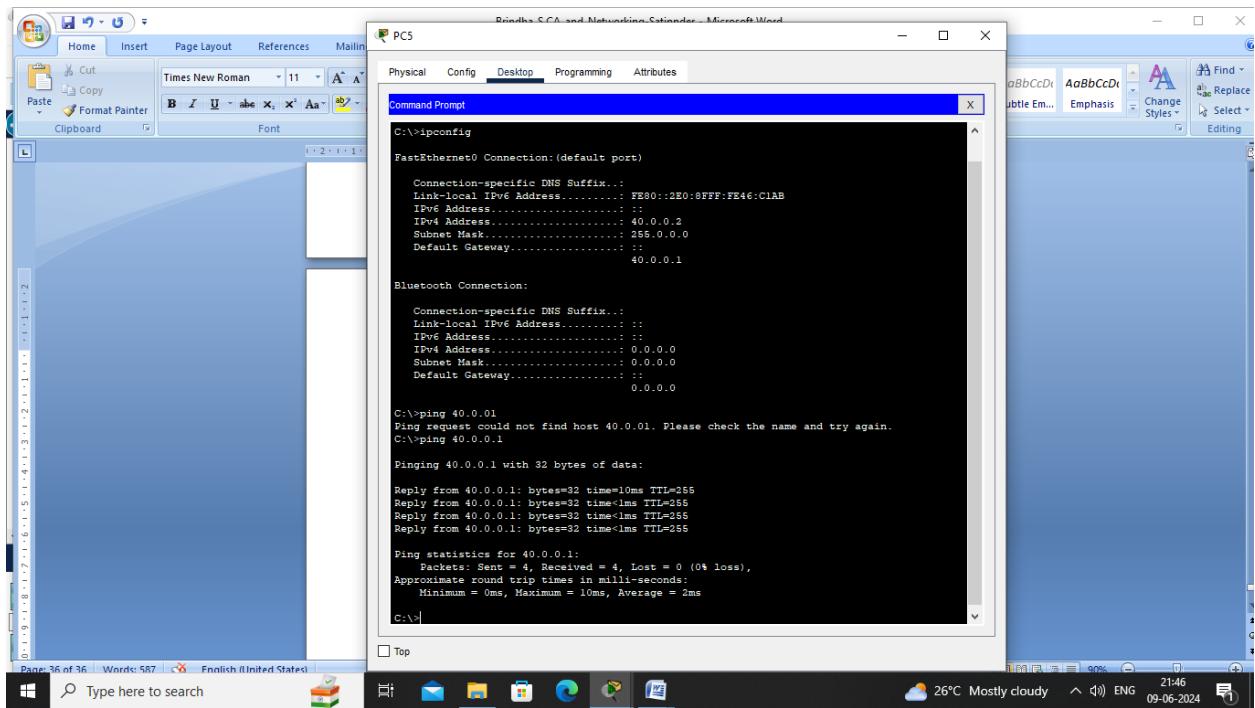
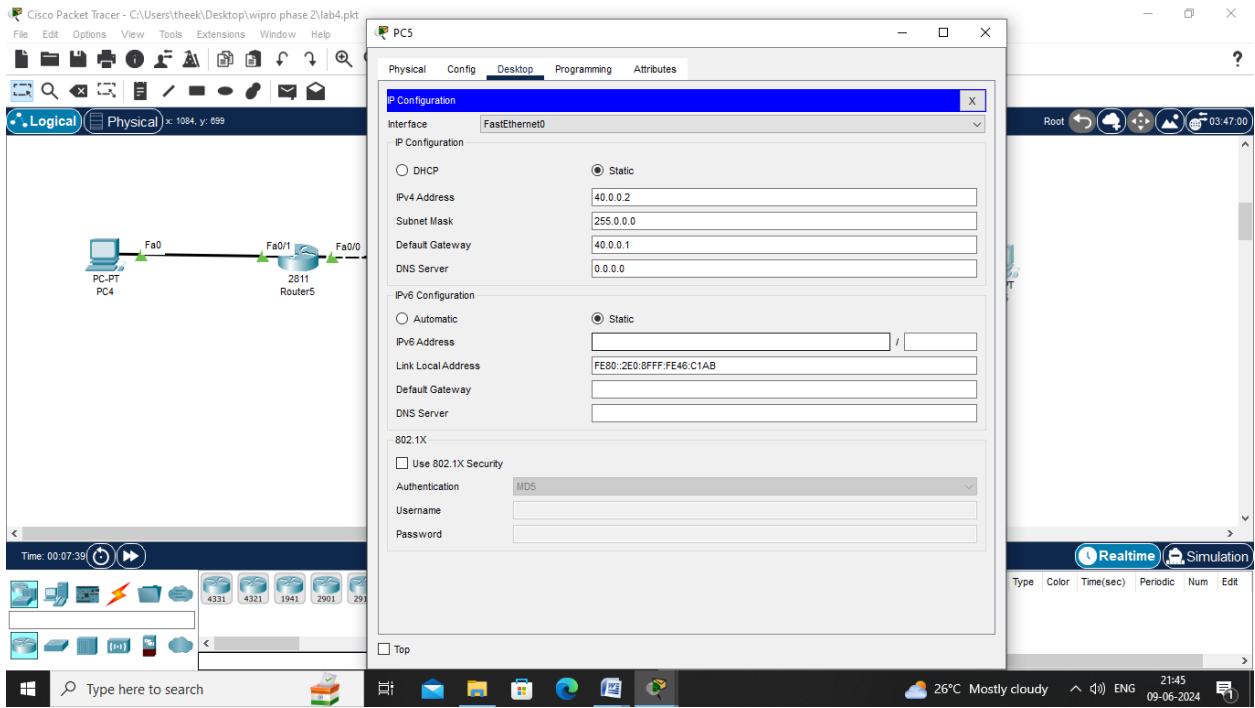


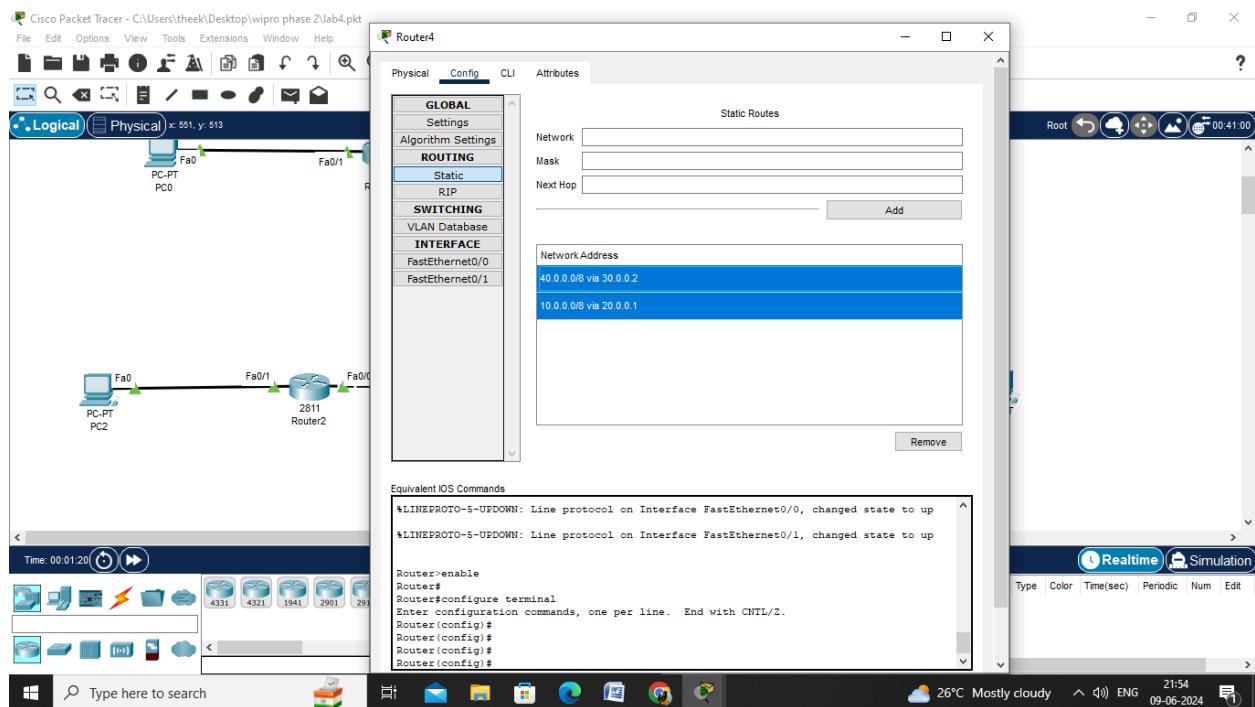
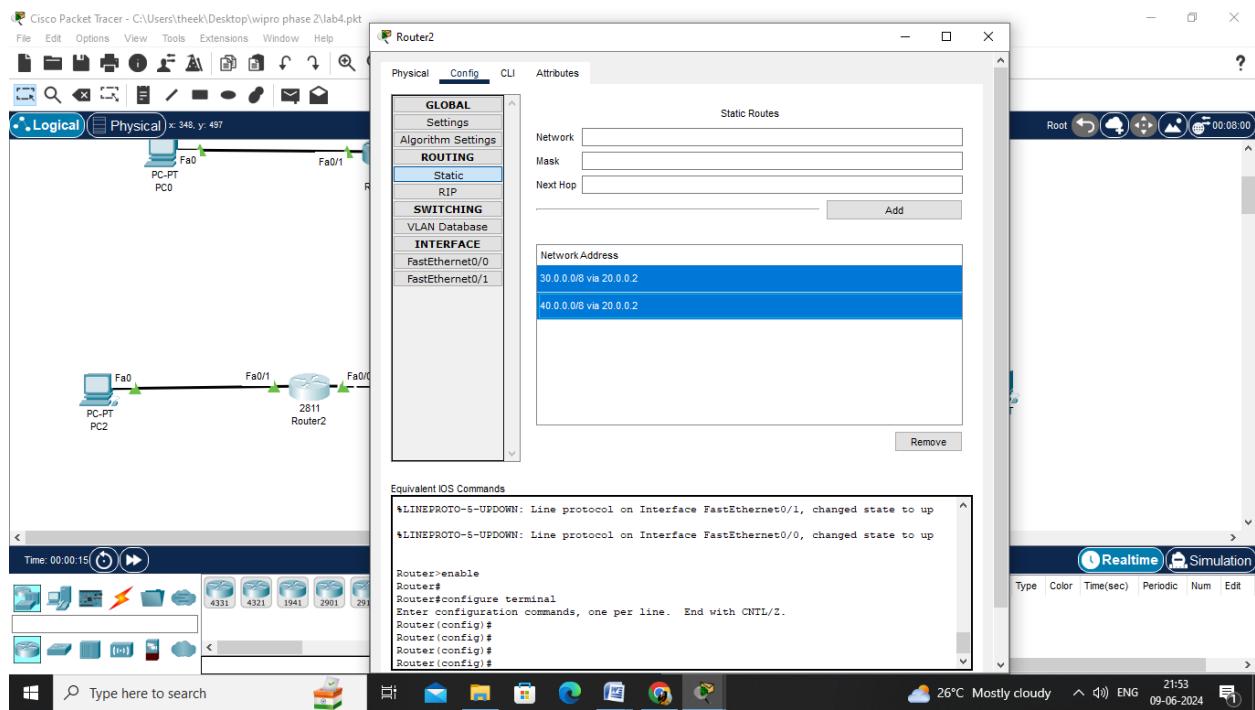


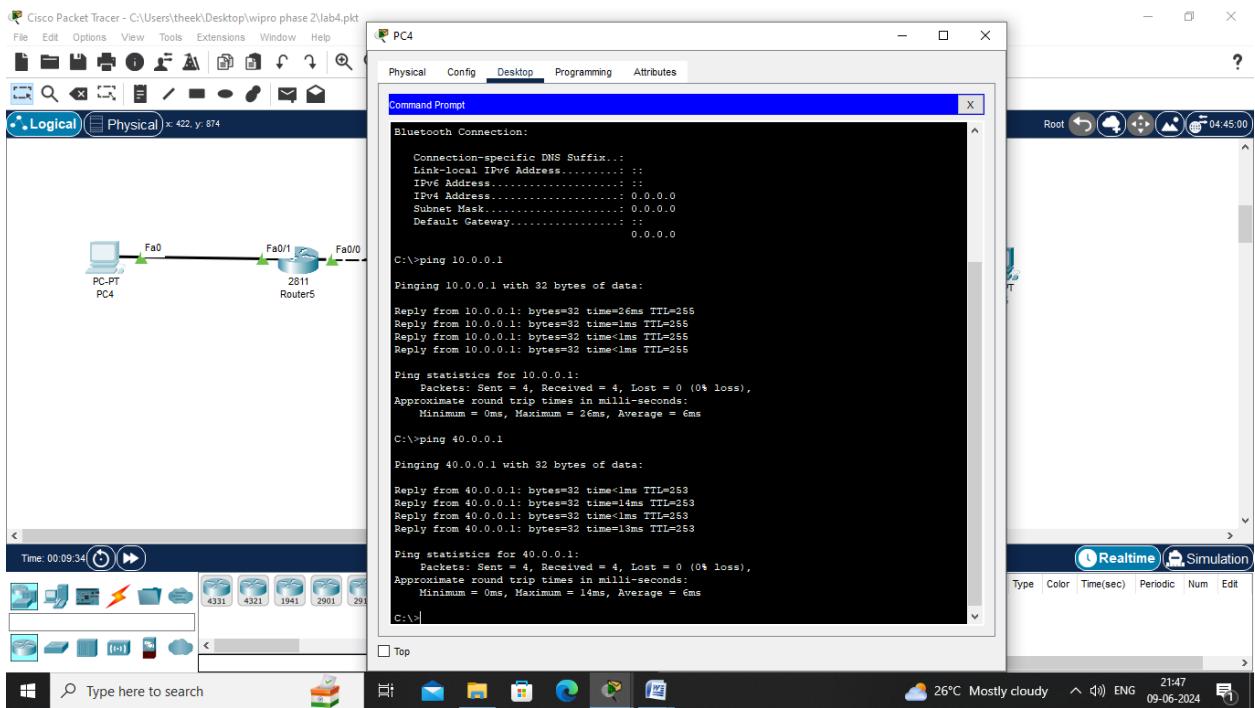
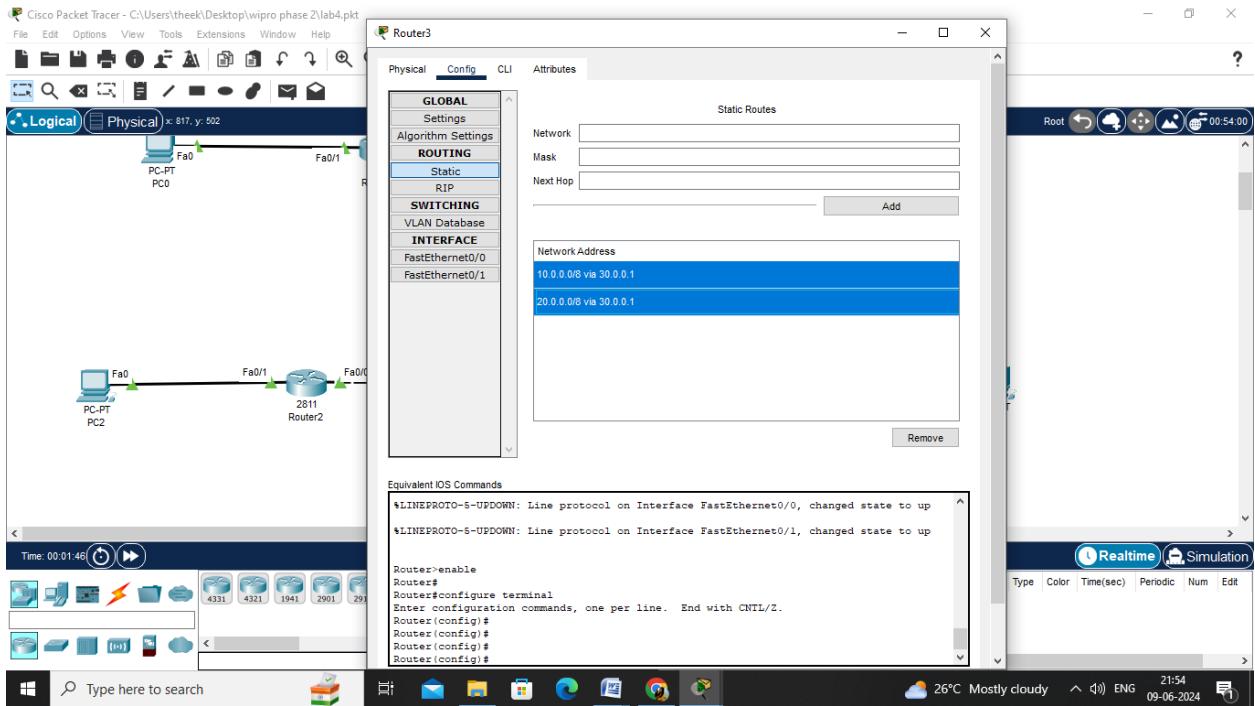


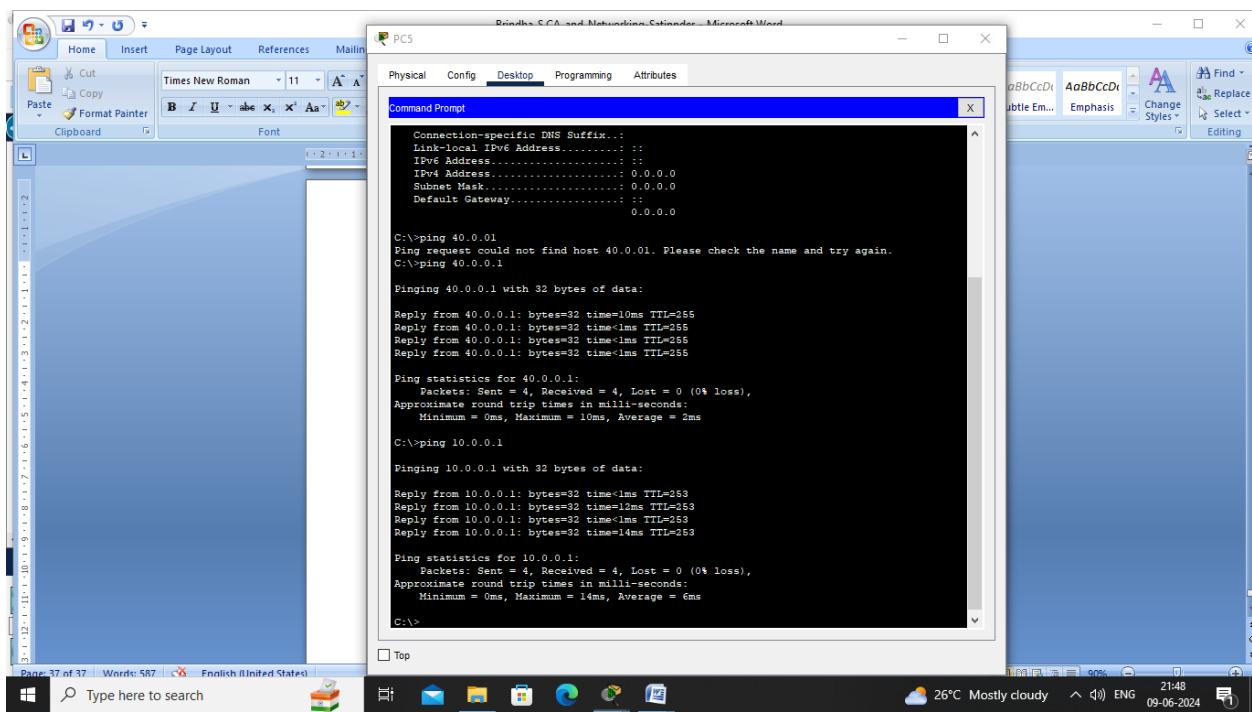












Lab 6 : Dynamic Routing (on three routers)



