## DATE:04/06/2024 :-

## 1.Network and host position circle.

## 2.Address of classes identification.

## 3.Decimal to binary.

## 4.Binary to decimal

## DATE:05/06/2024 :-

## 5.Subnet

## 6.network address

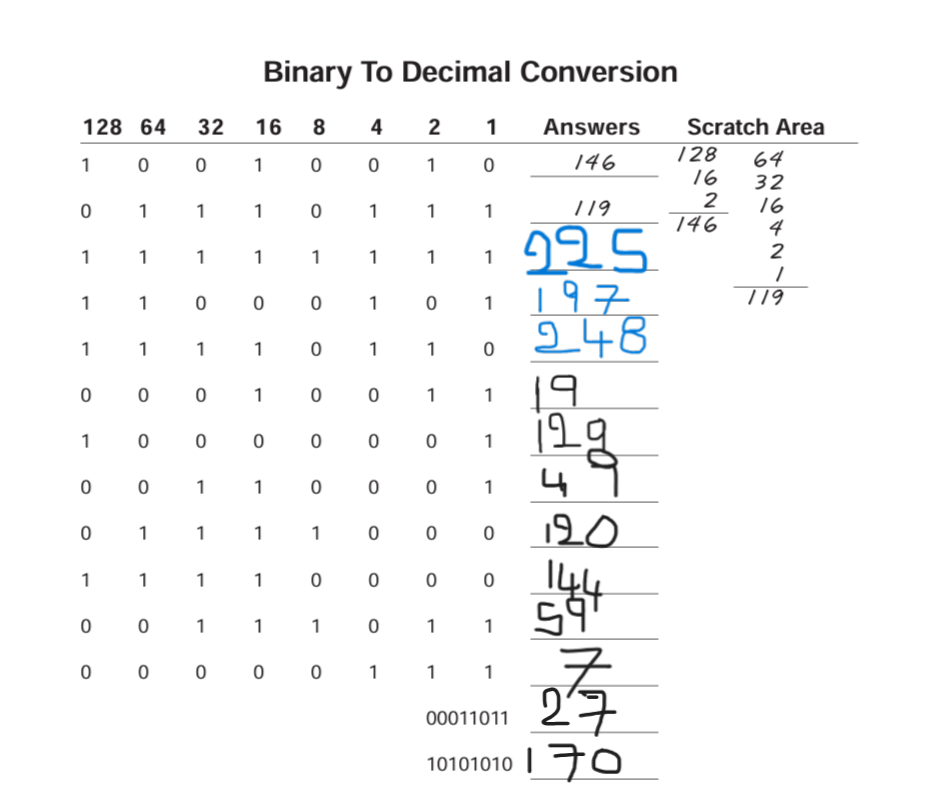
## 7. Host adress

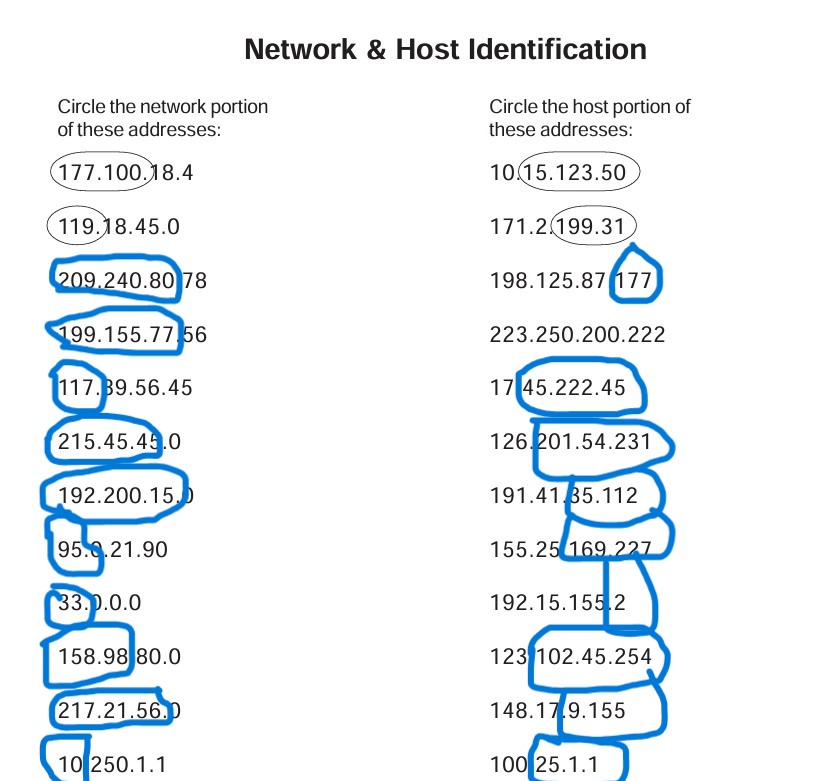
## 8. Broadcast

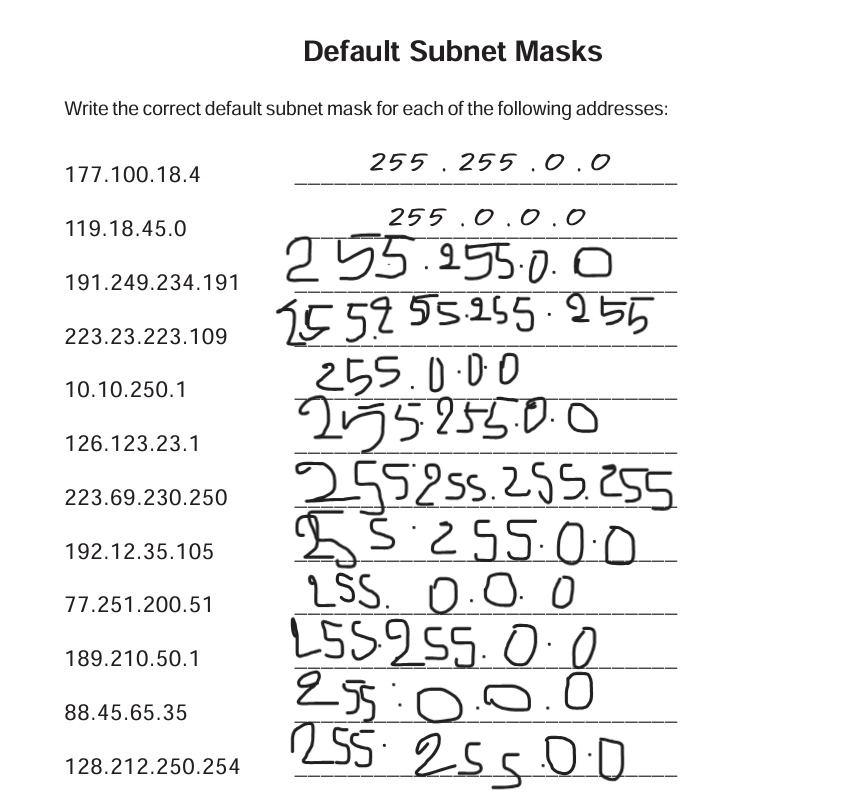
## DATE:06/06/2024 :-

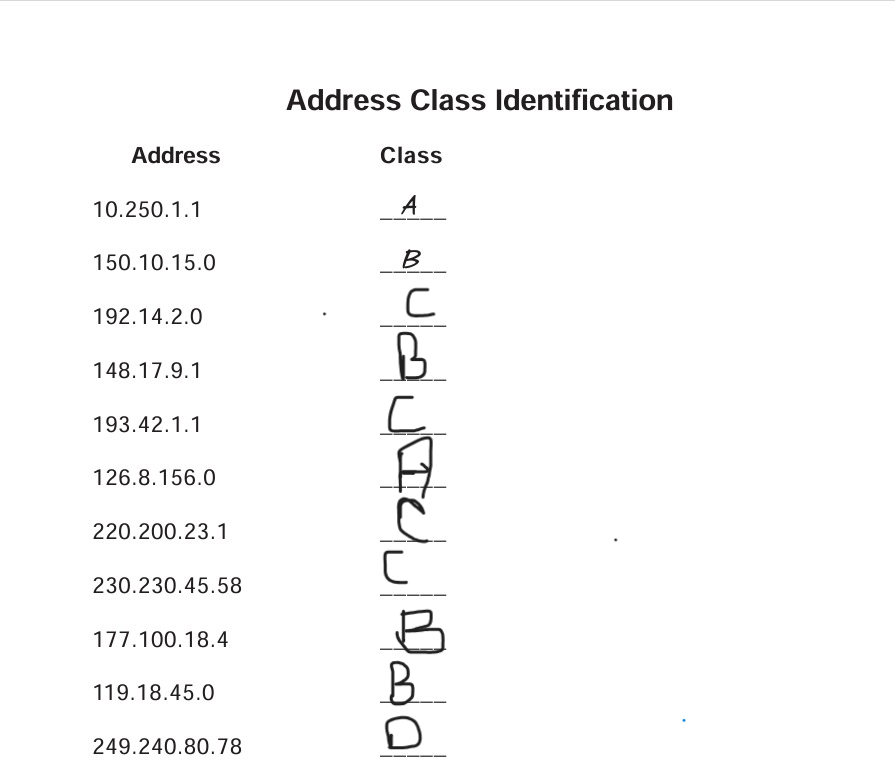
## 9. Star topology and point to point to point topology

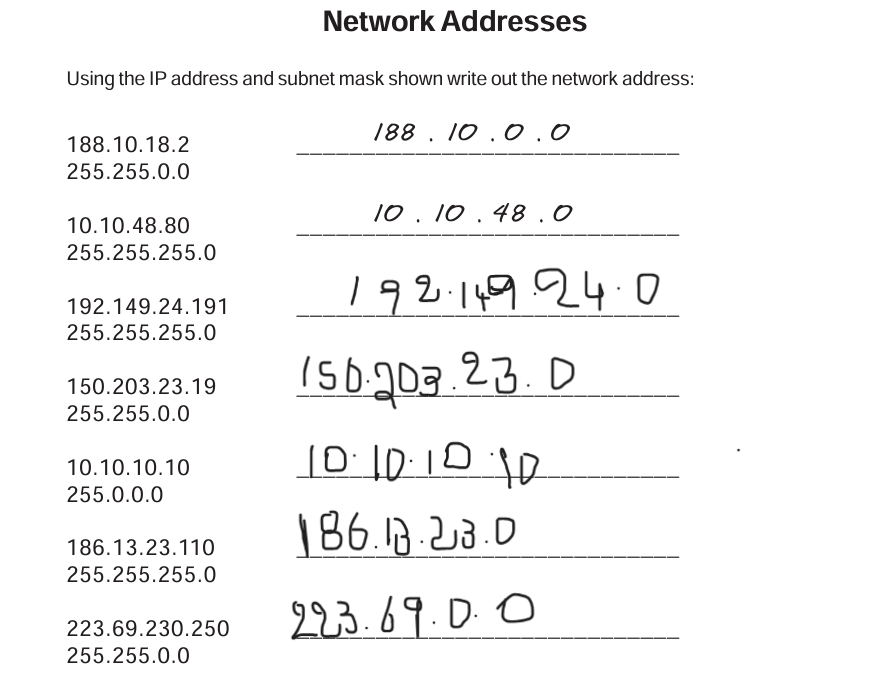
## C:\Users\PC\OneDrive\Documents\WhatsApp Image 2024-06-04 at 16.07.37_426525c7.jpg











subnet 1-->192.168.1.0-192.168.1.63

subnet  2-->192.168.1.64-192.168.1.127

subnet 3-->192.168.1.128-192.168.1.191

subnet 4-->192.168.1.192-192.168.1.255

 ip address random-->192.168.1.65/26

Number of needed subnets-6

Number of needed usable hosts-30

Network Address-195.85.8.0

Address class-C

Default subnet mask->255.255.255.0

Custom subnet mask-->255.255.255.224/27

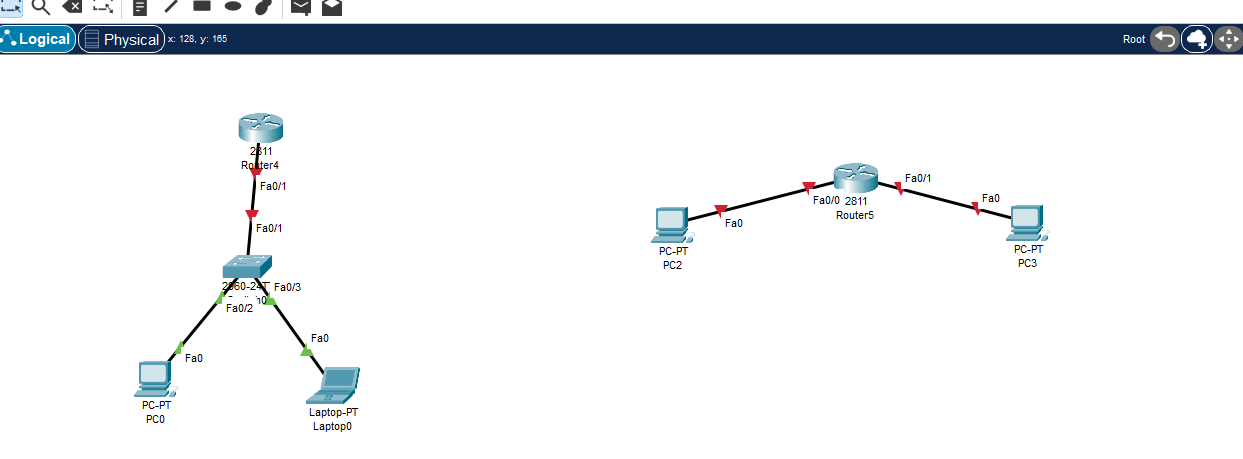
Total number of subnets-8

Total number of host addresses--> 8 (5 bit for host)

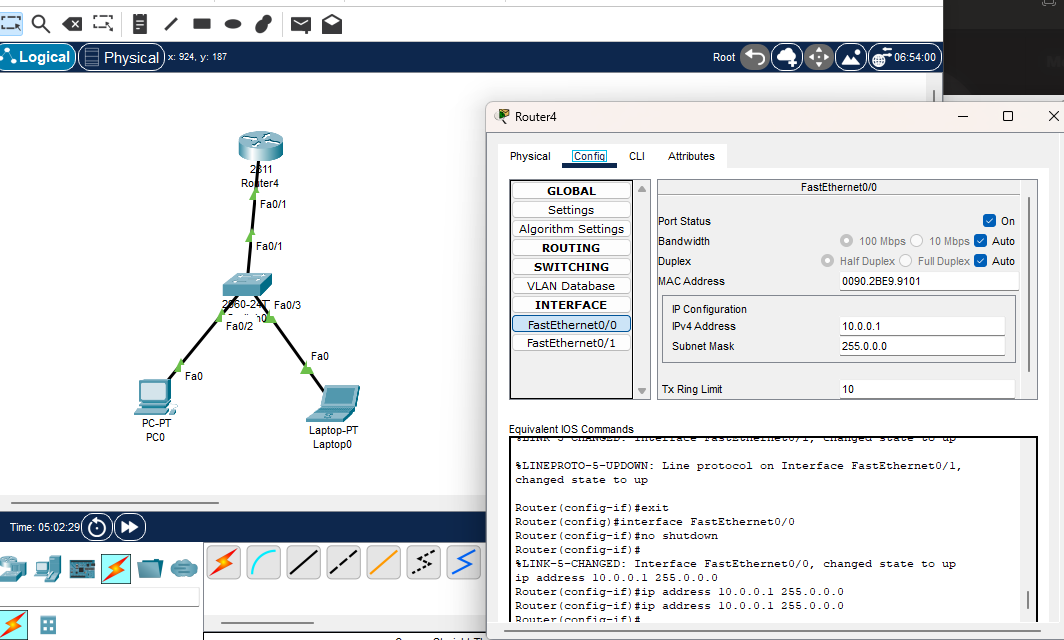
Number of usable addresses-->6

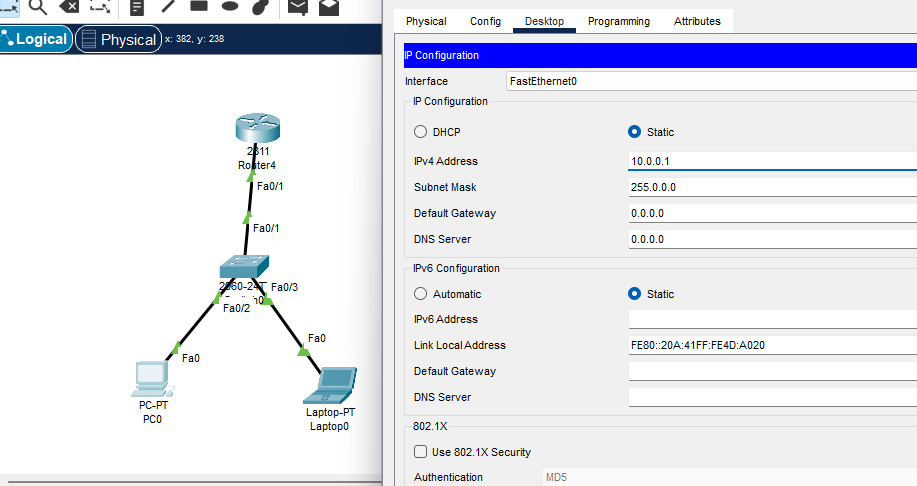
Number of bits borrowed-->3

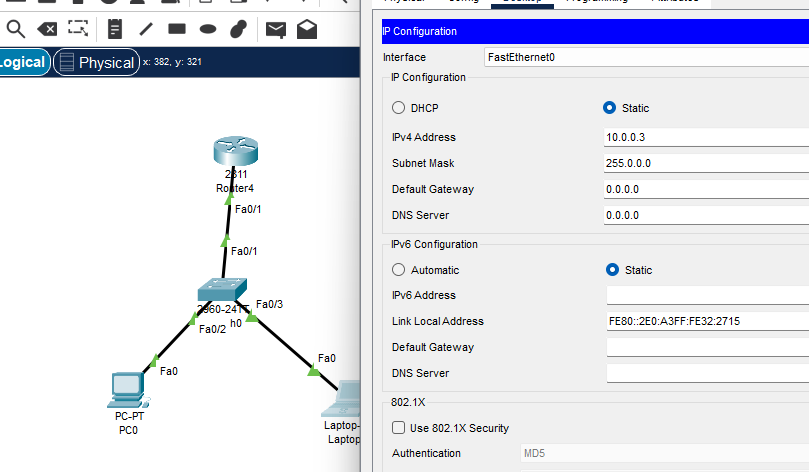
# Lab1:- CONNECTING DEVICES.

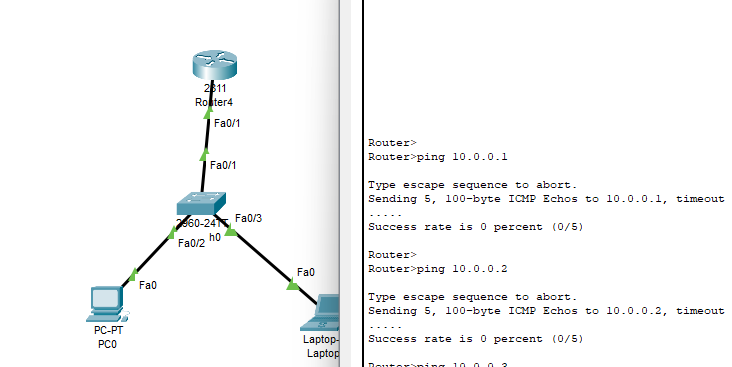


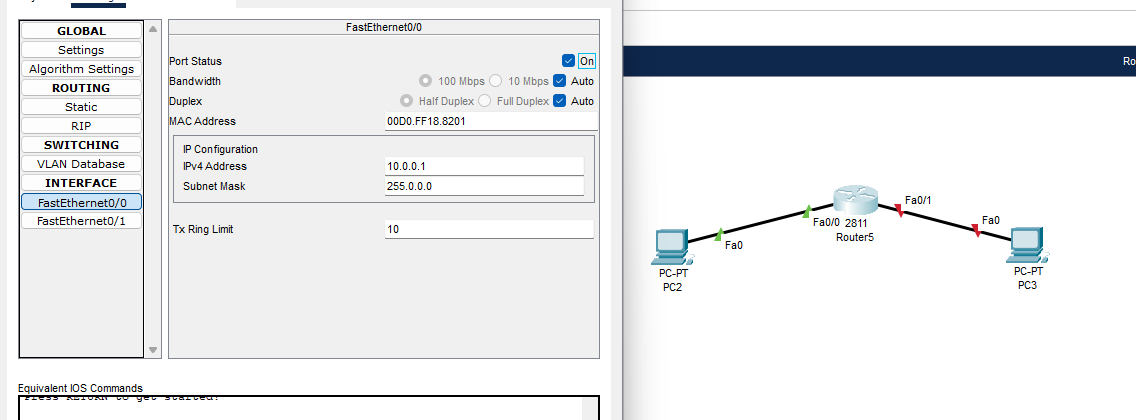
## Lab 2: IP address Configuration and Ping check:--

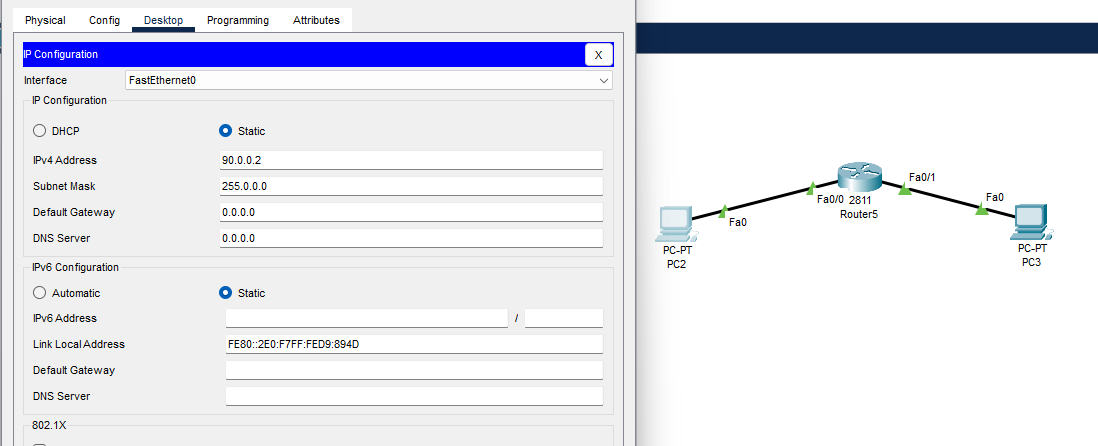


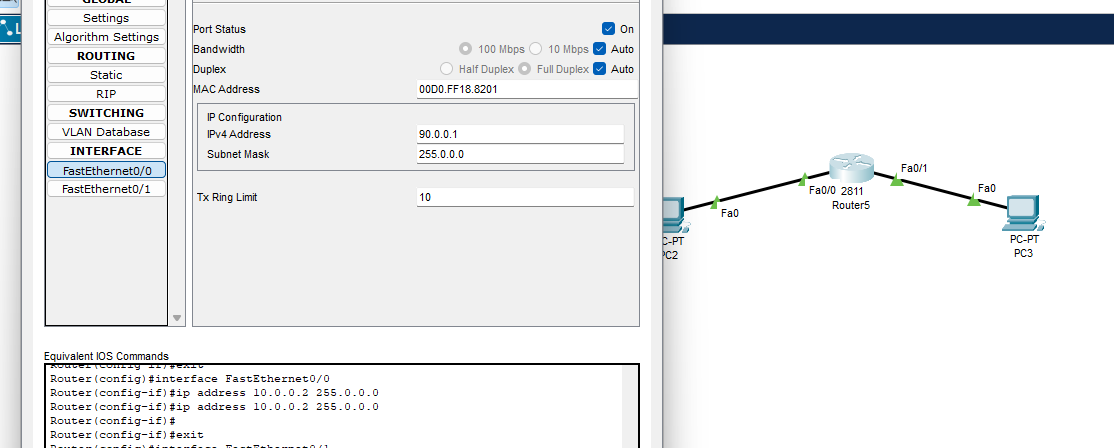


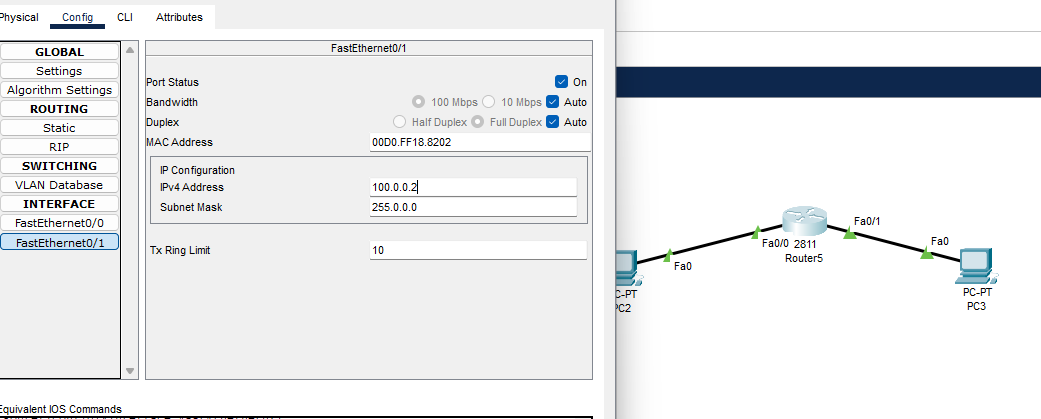








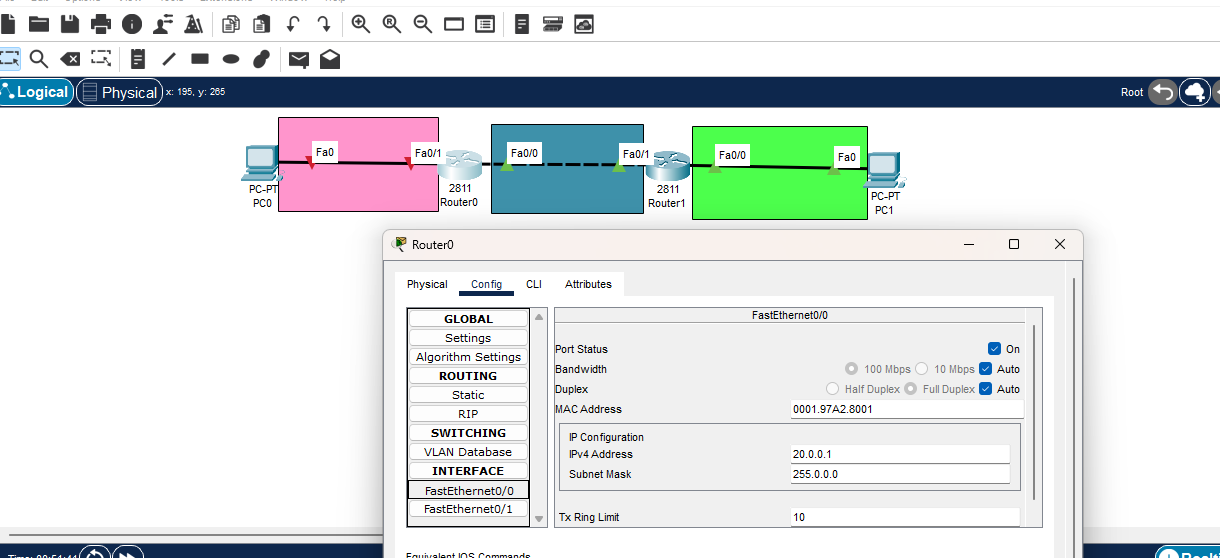
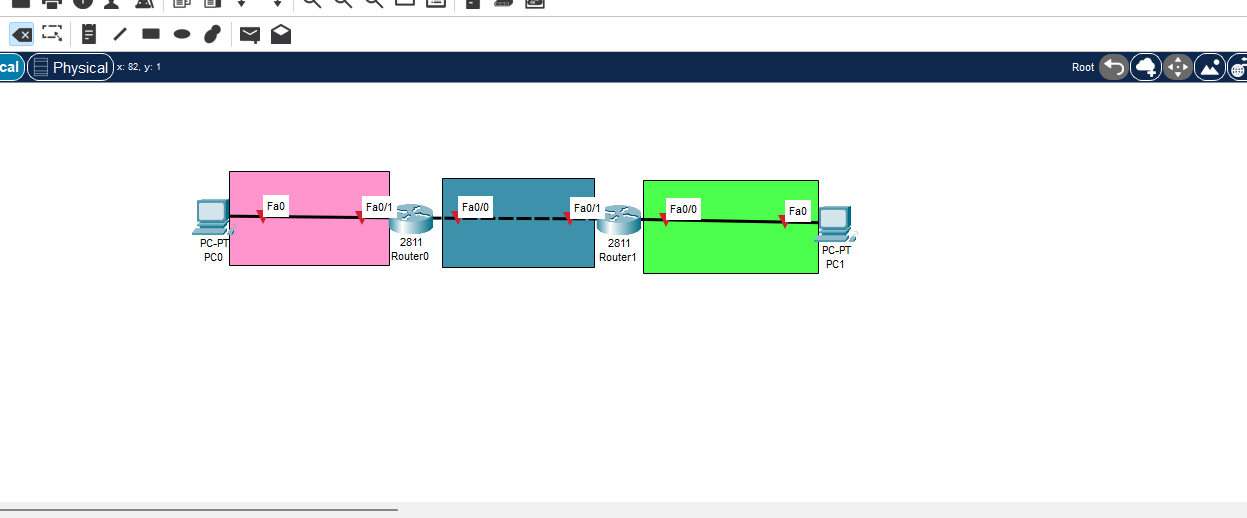


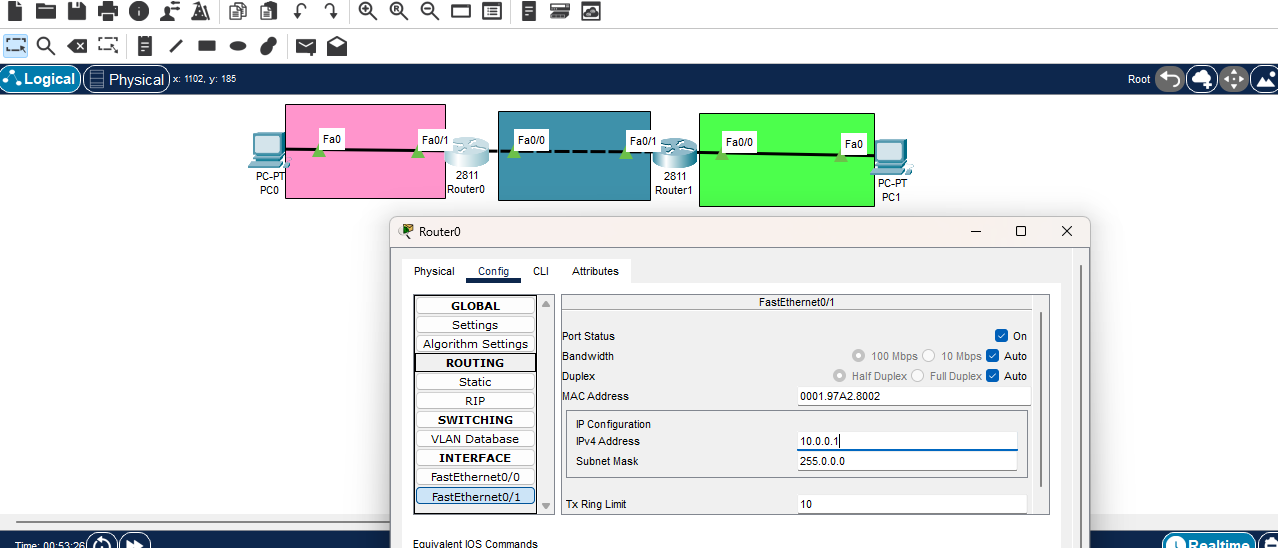


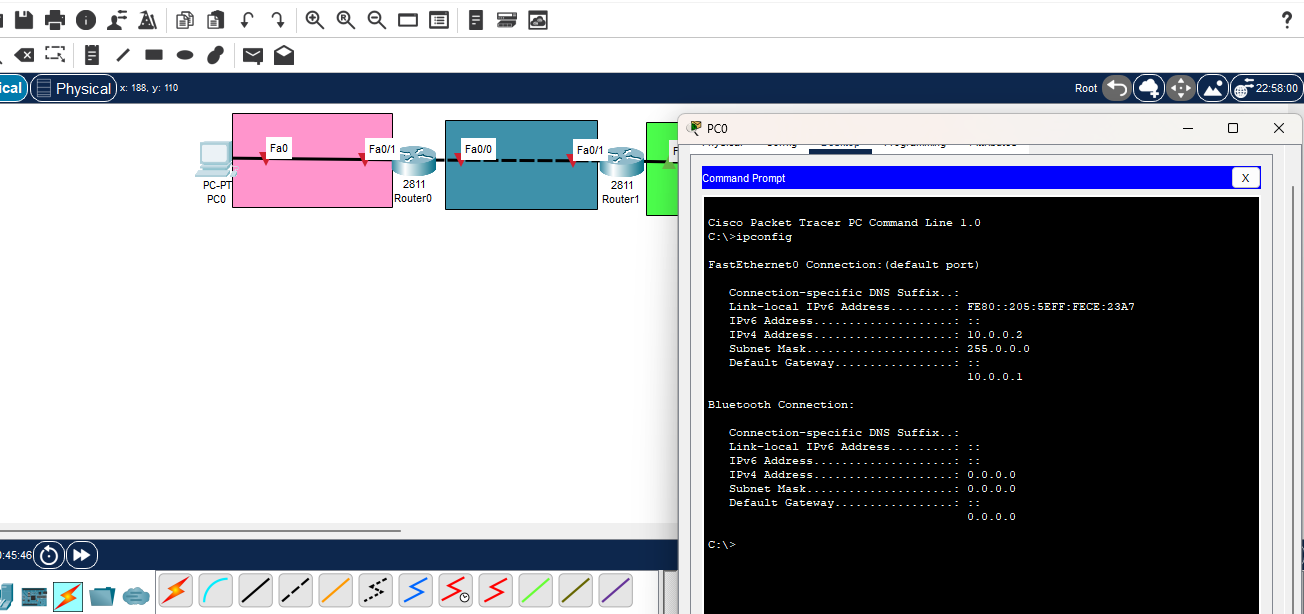
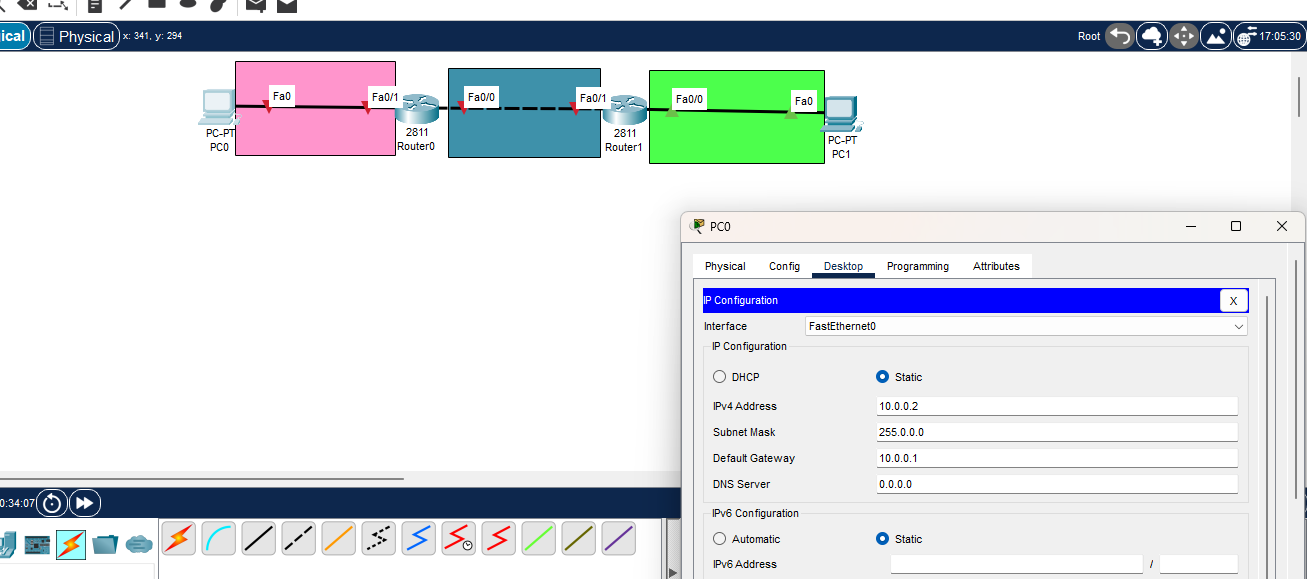
## Lab 3: Configuring Default Gateway:---

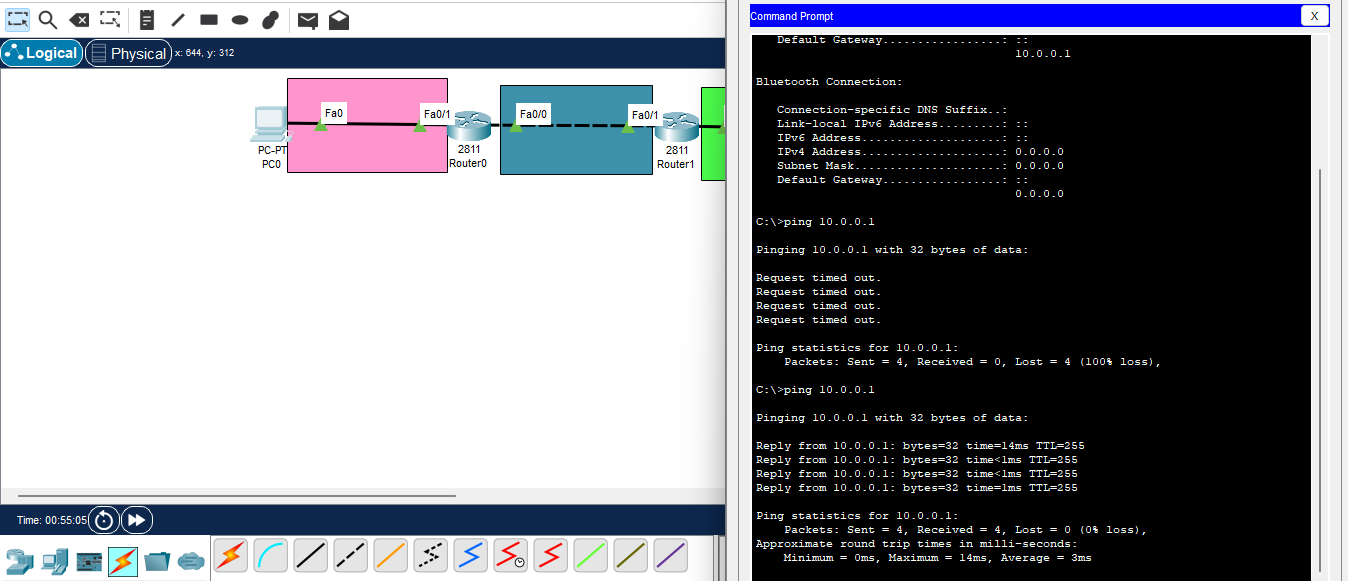
## C:\Users\PC\OneDrive\Pictures\Screenshots\Screenshot 2024-06-06 165043.png.C:\Users\PC\OneDrive\Pictures\Screenshots\Screenshot 2024-06-06 162716.png

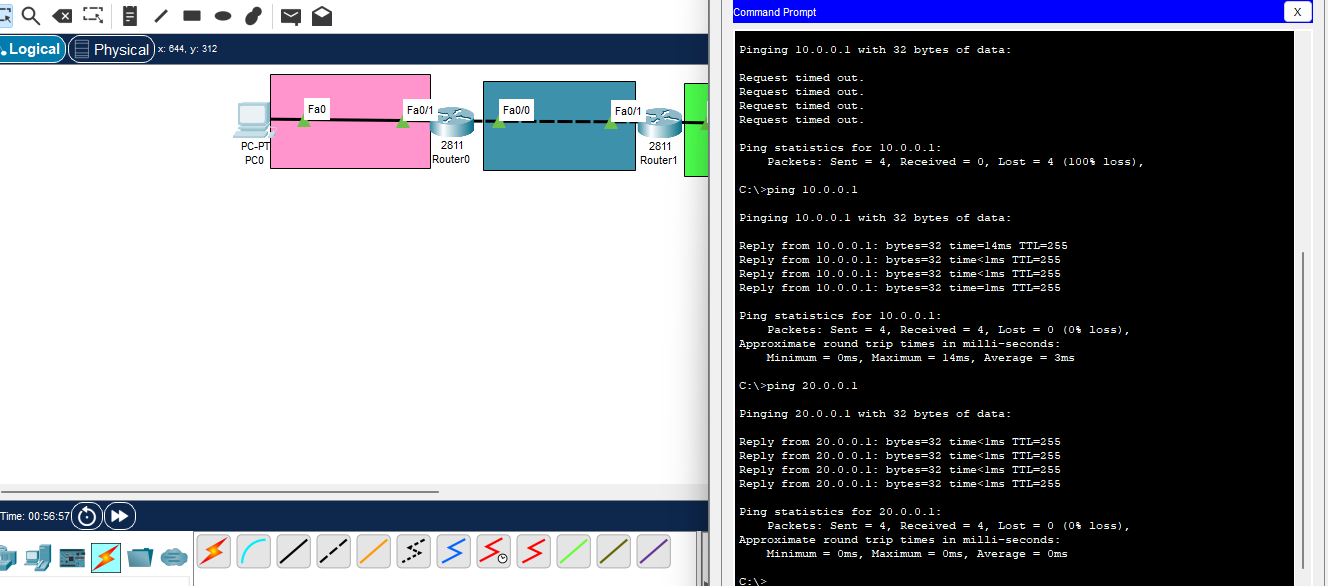
## Lab 4 : Static Routing ( on two routers) :-

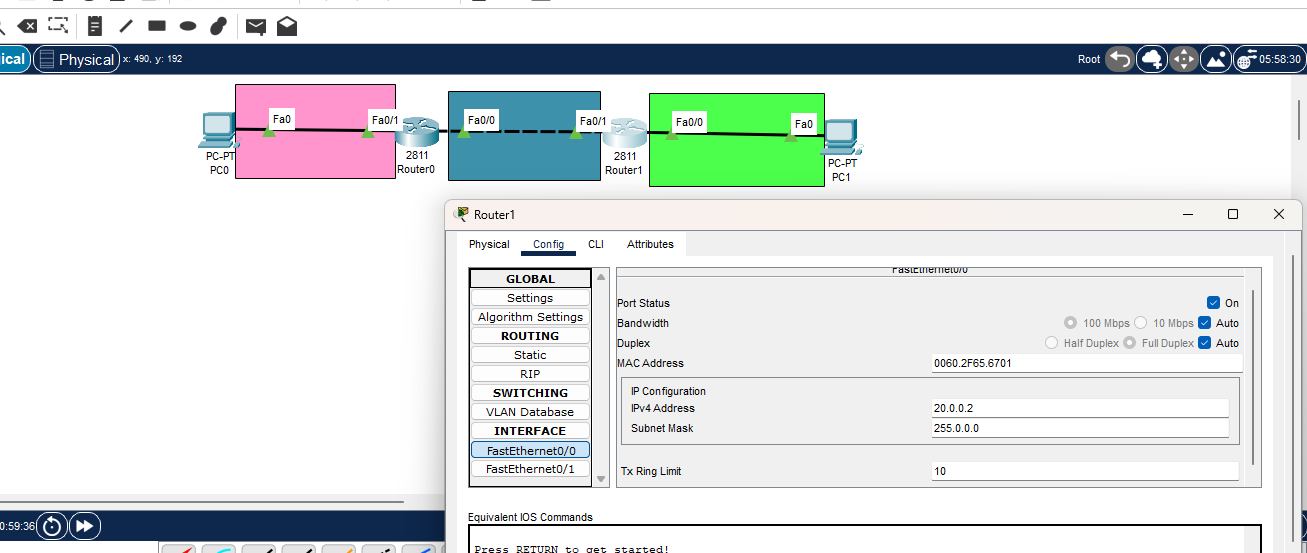


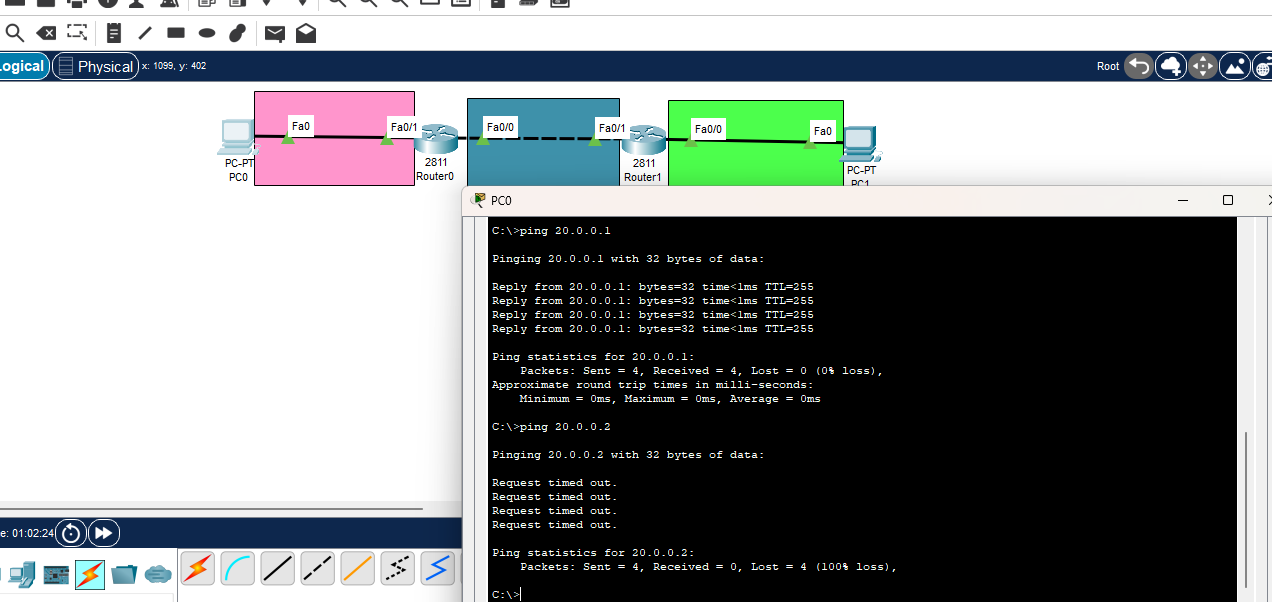




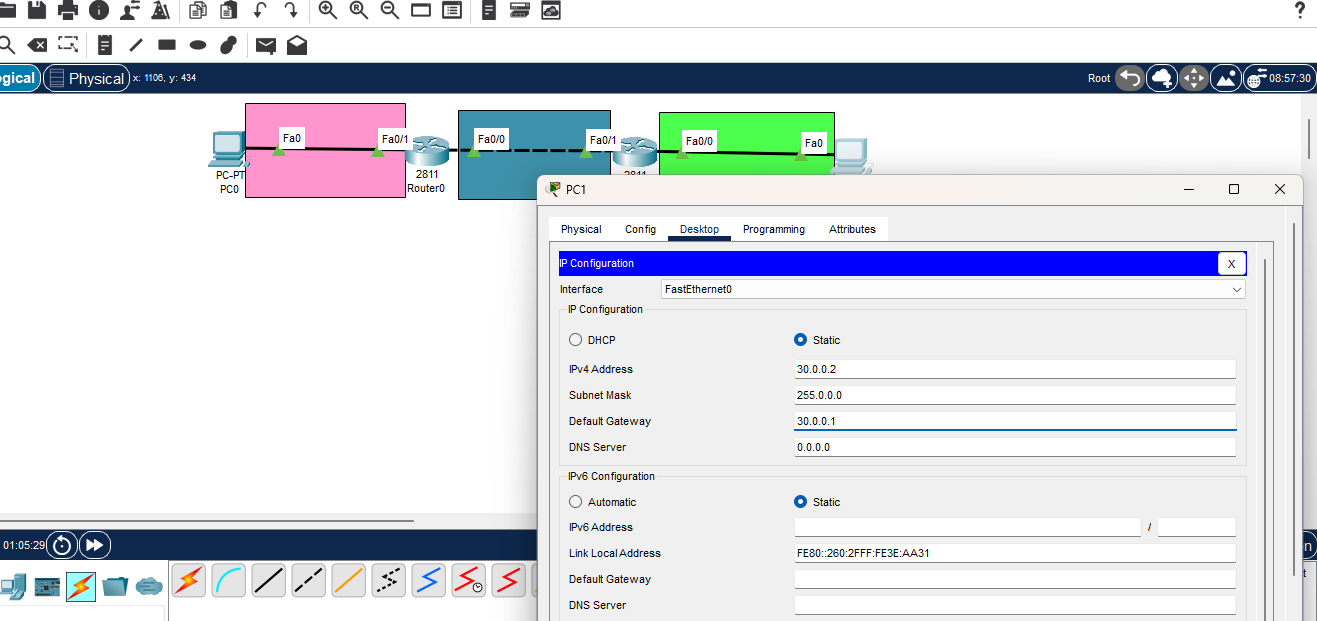


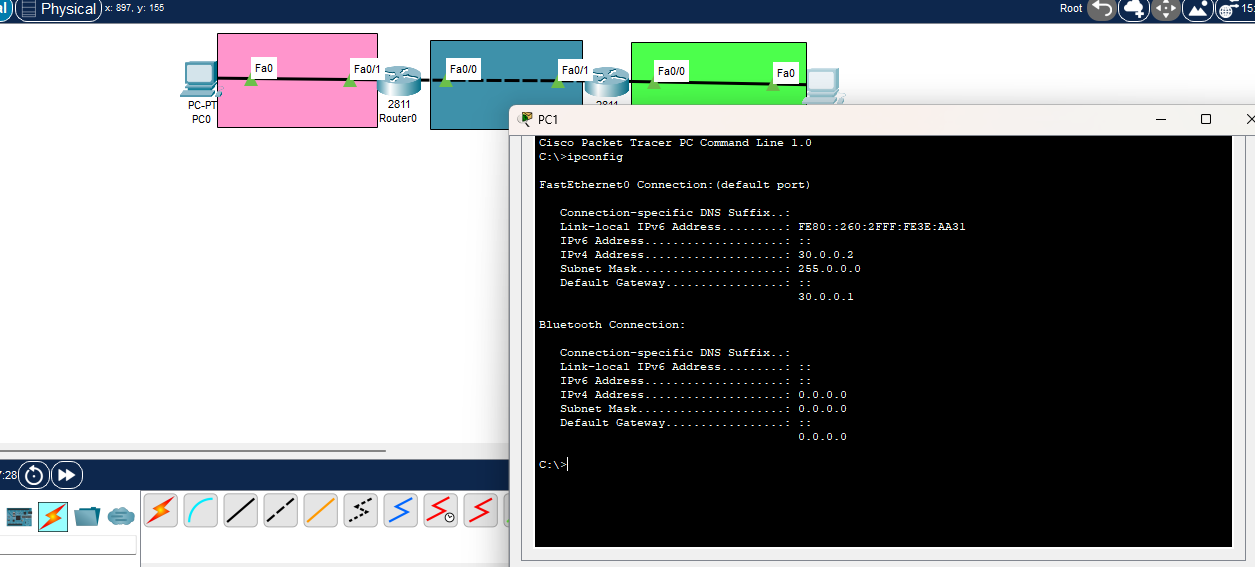


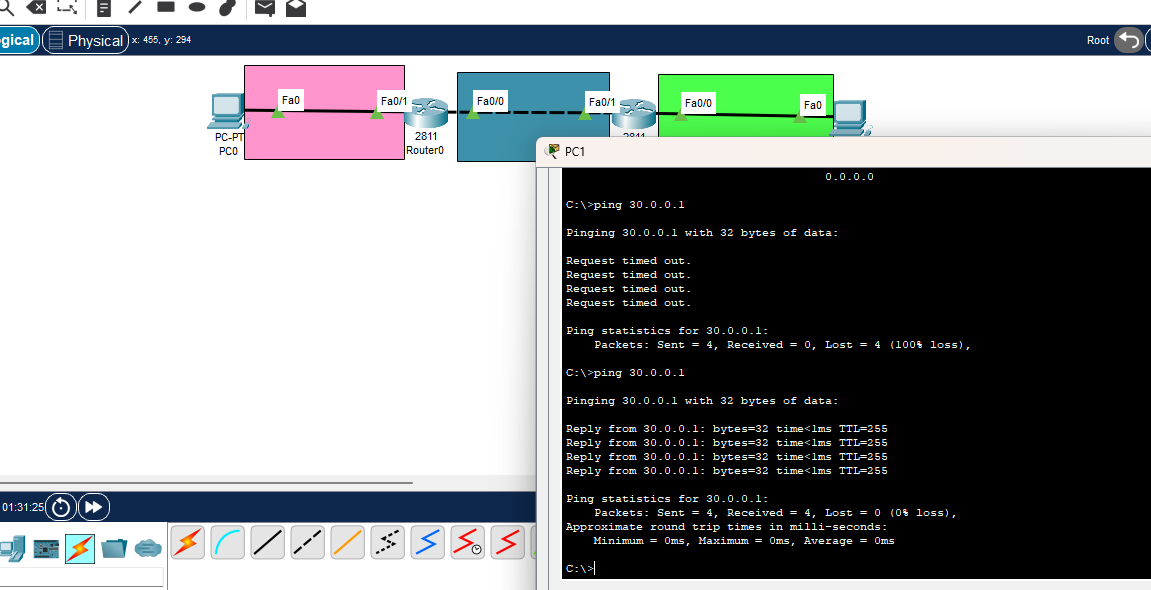


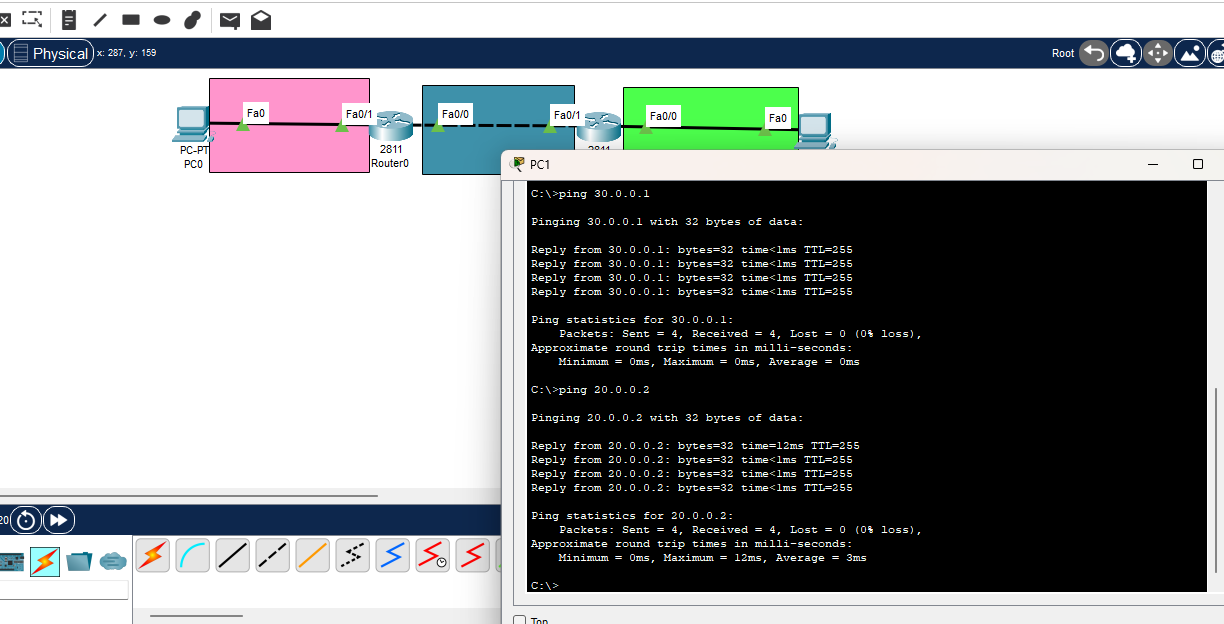


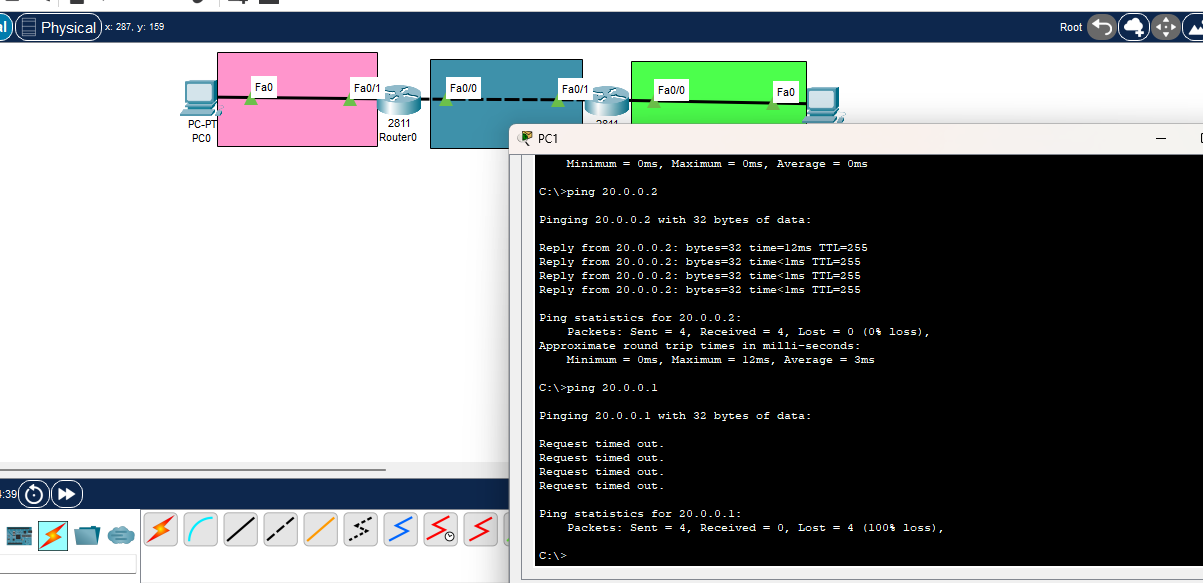


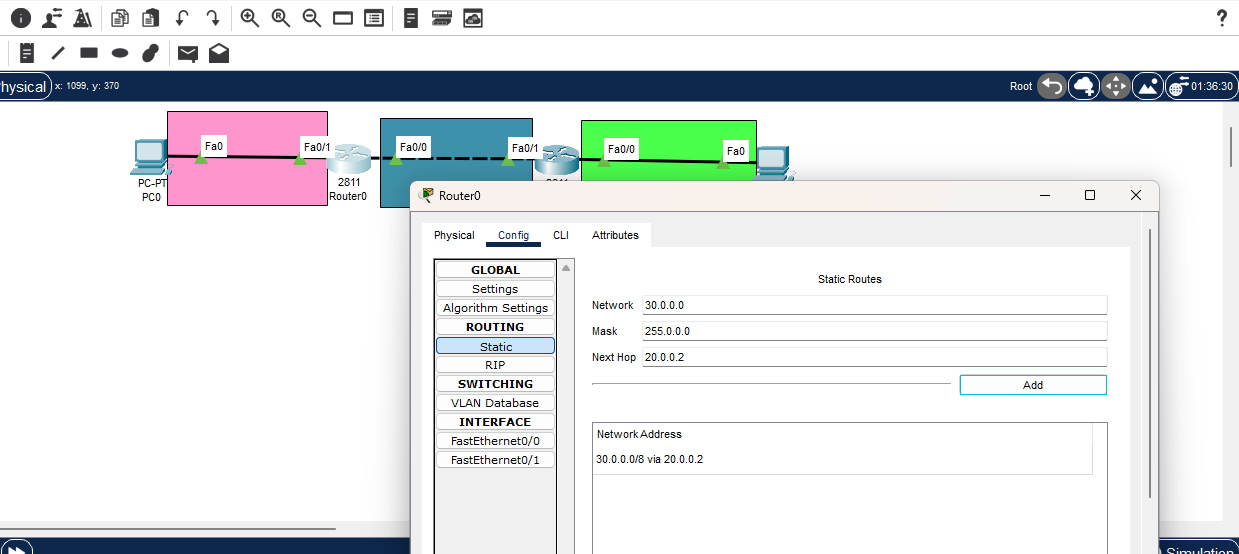


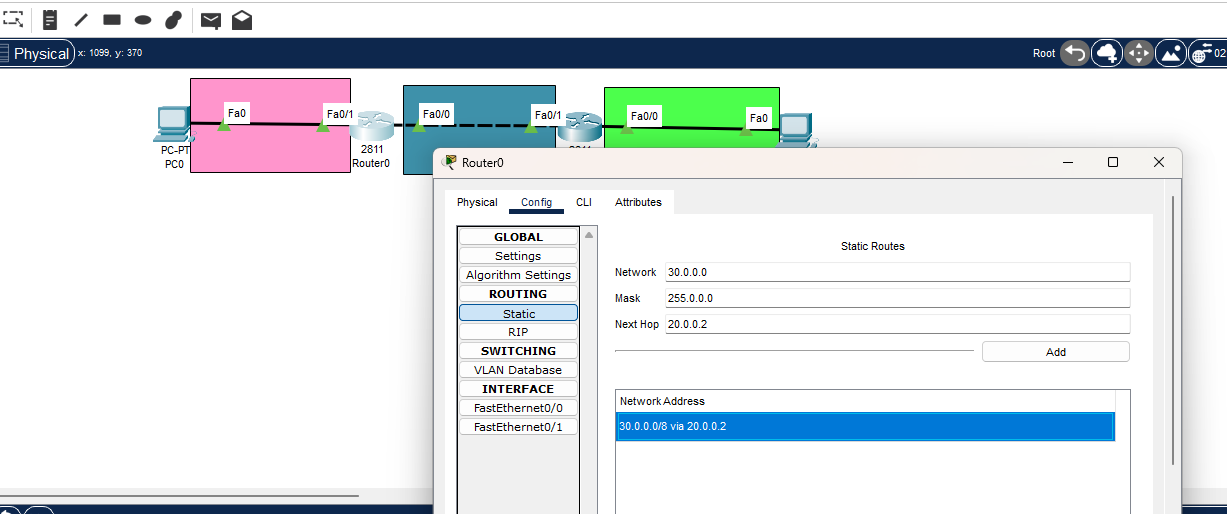


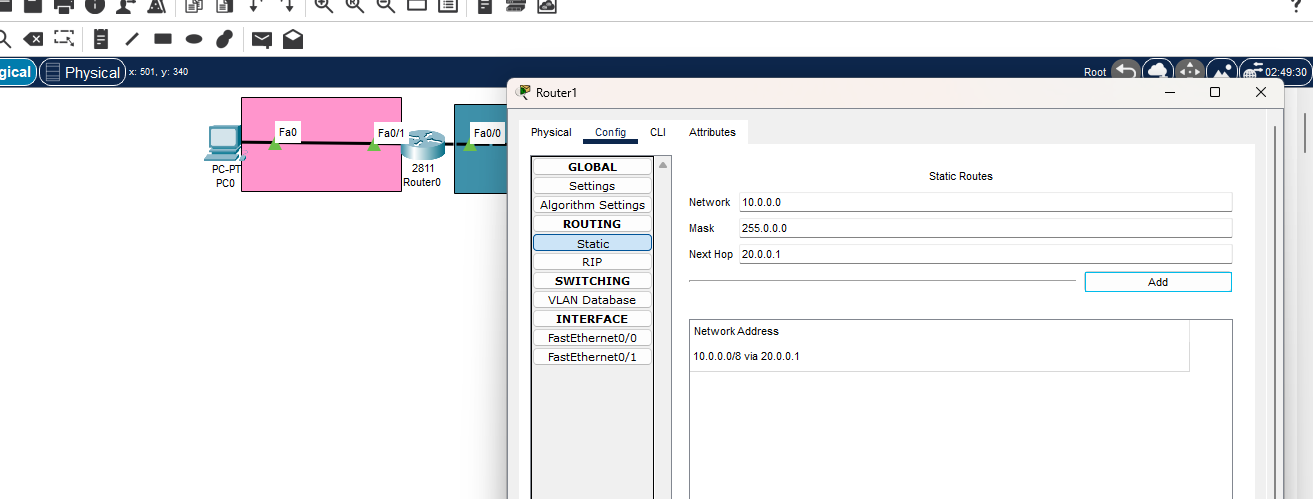


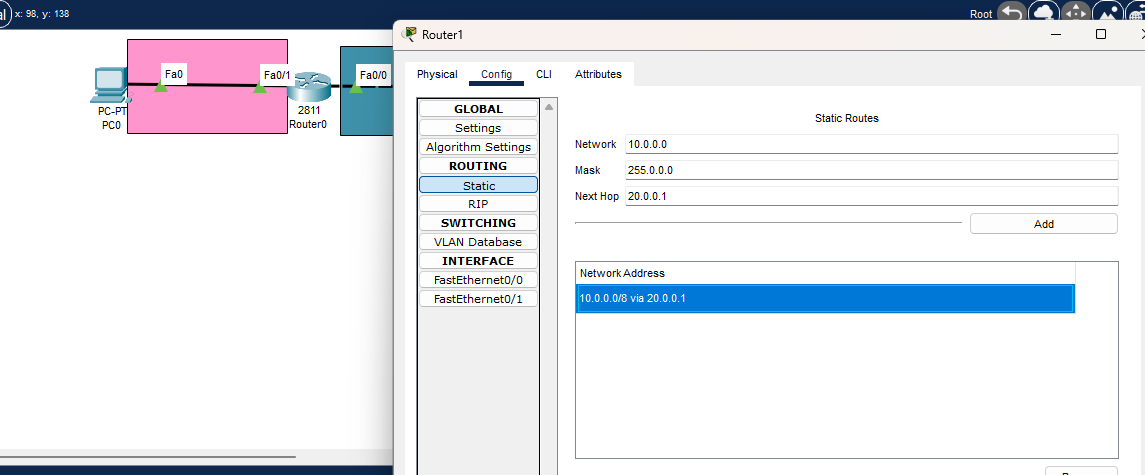


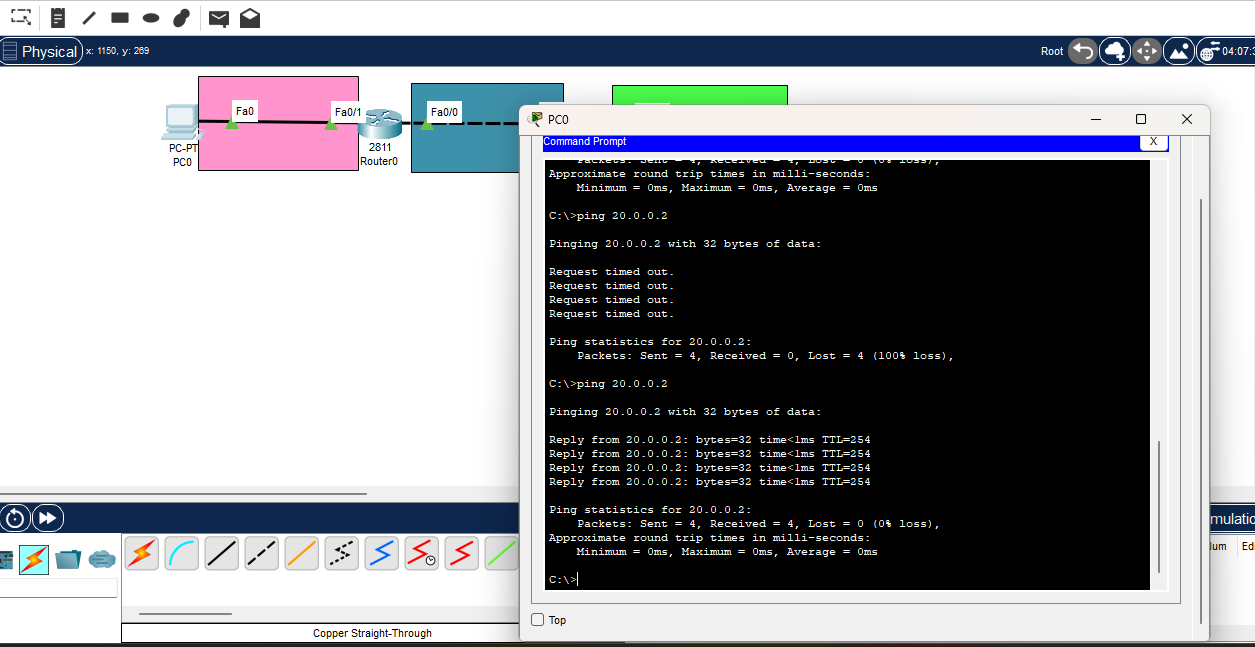


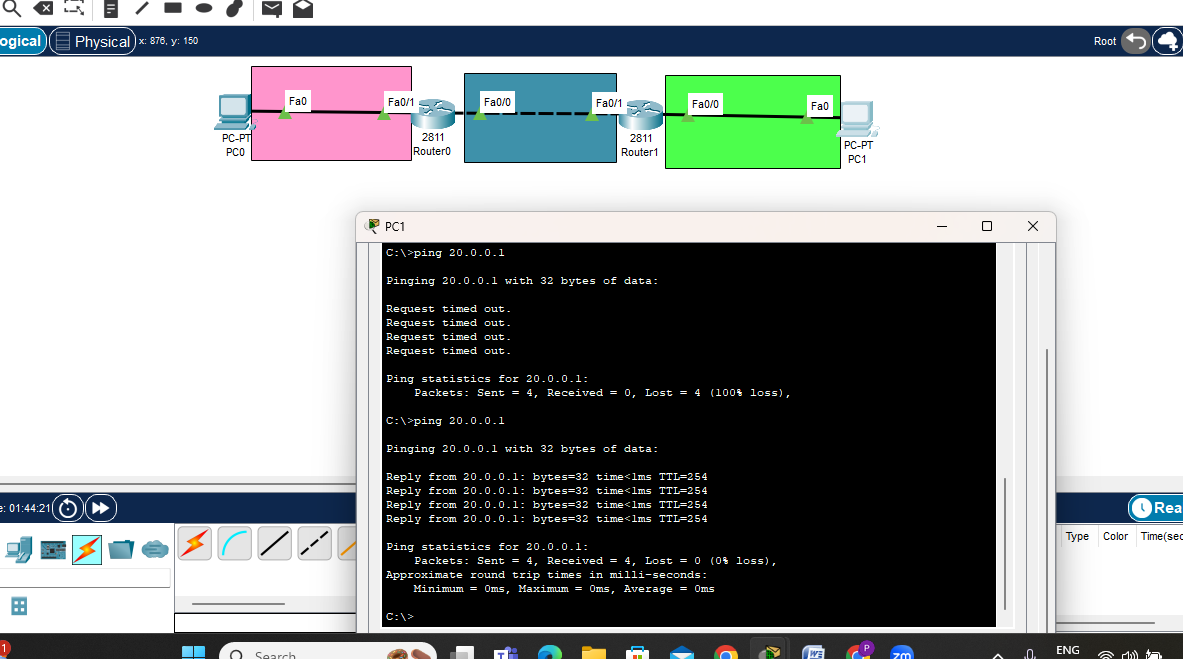


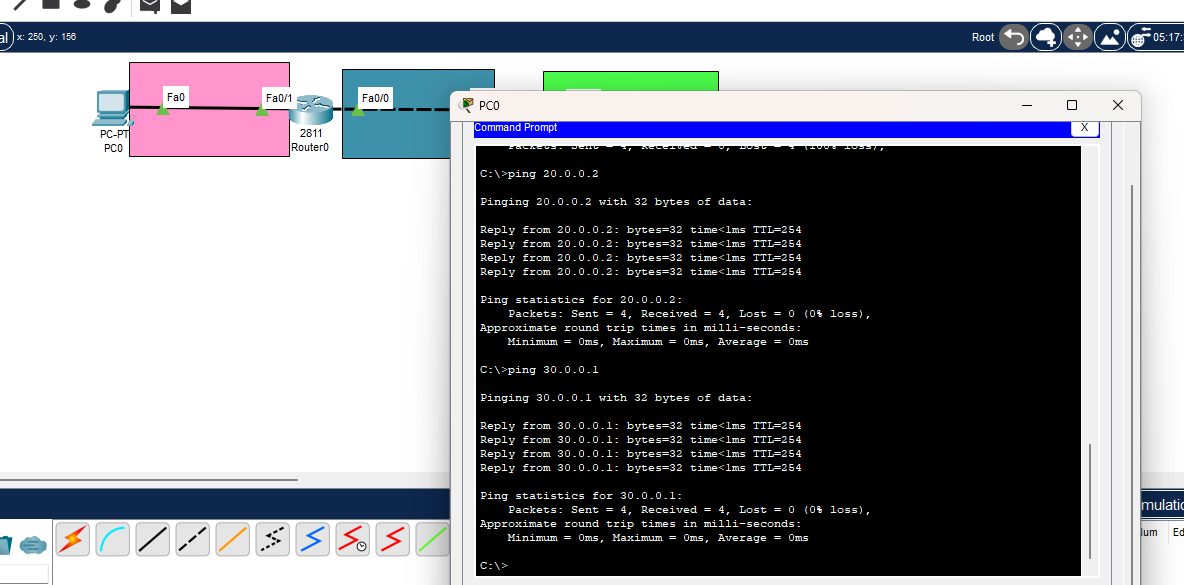


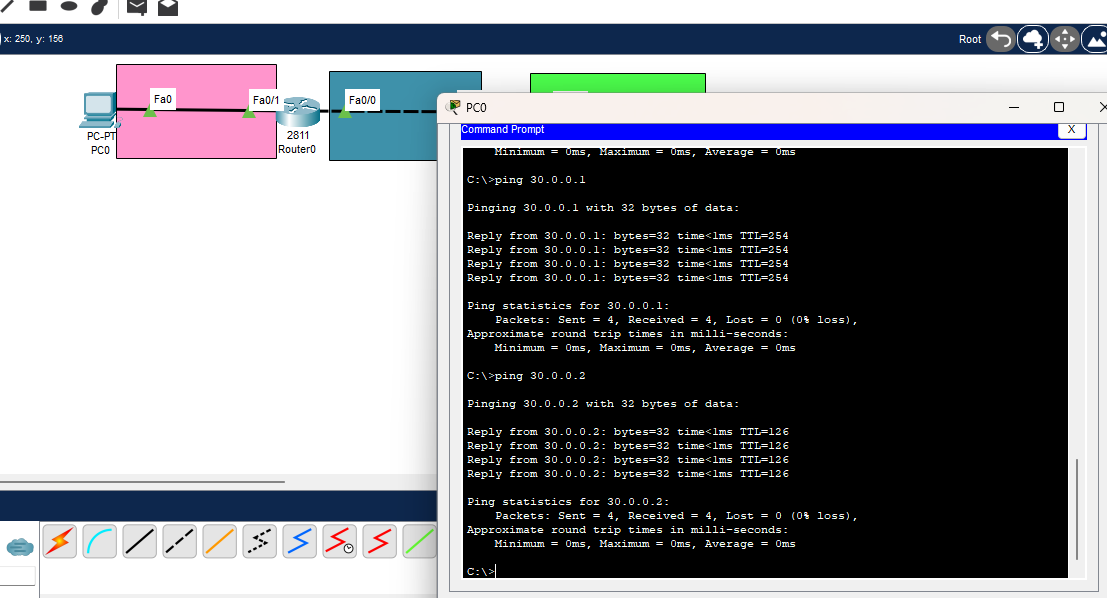


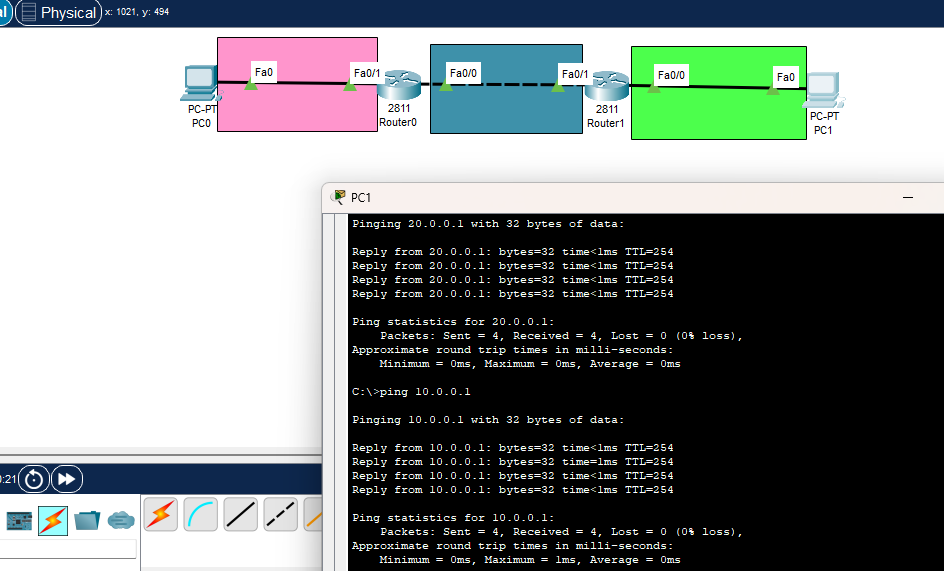


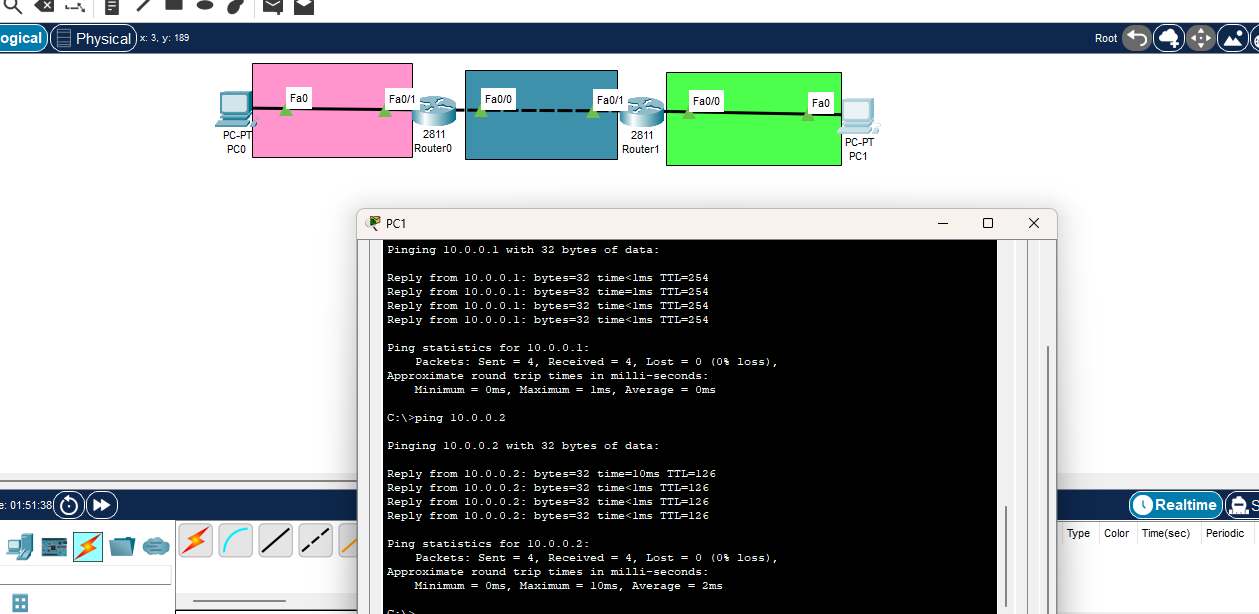




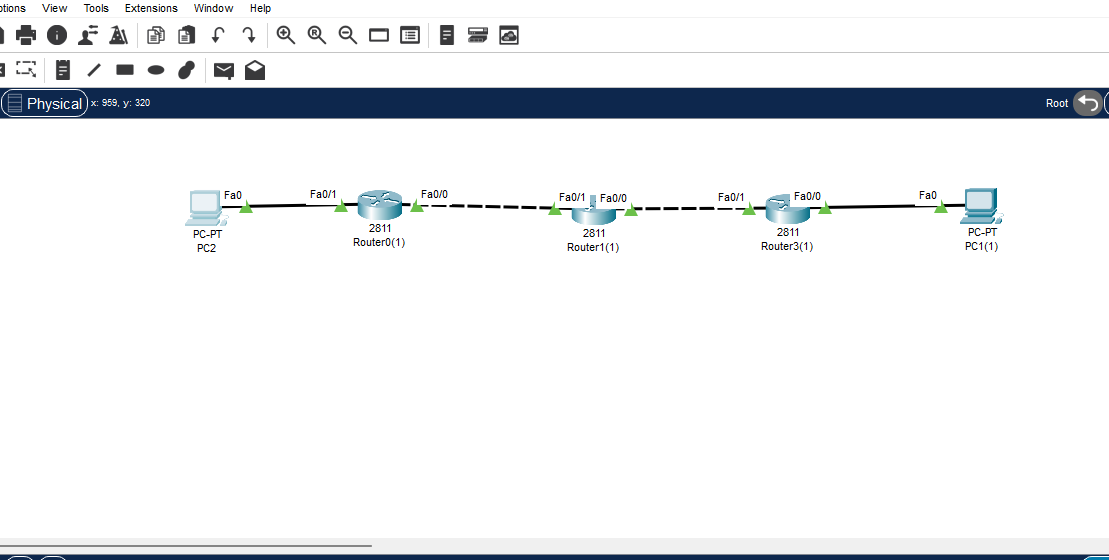


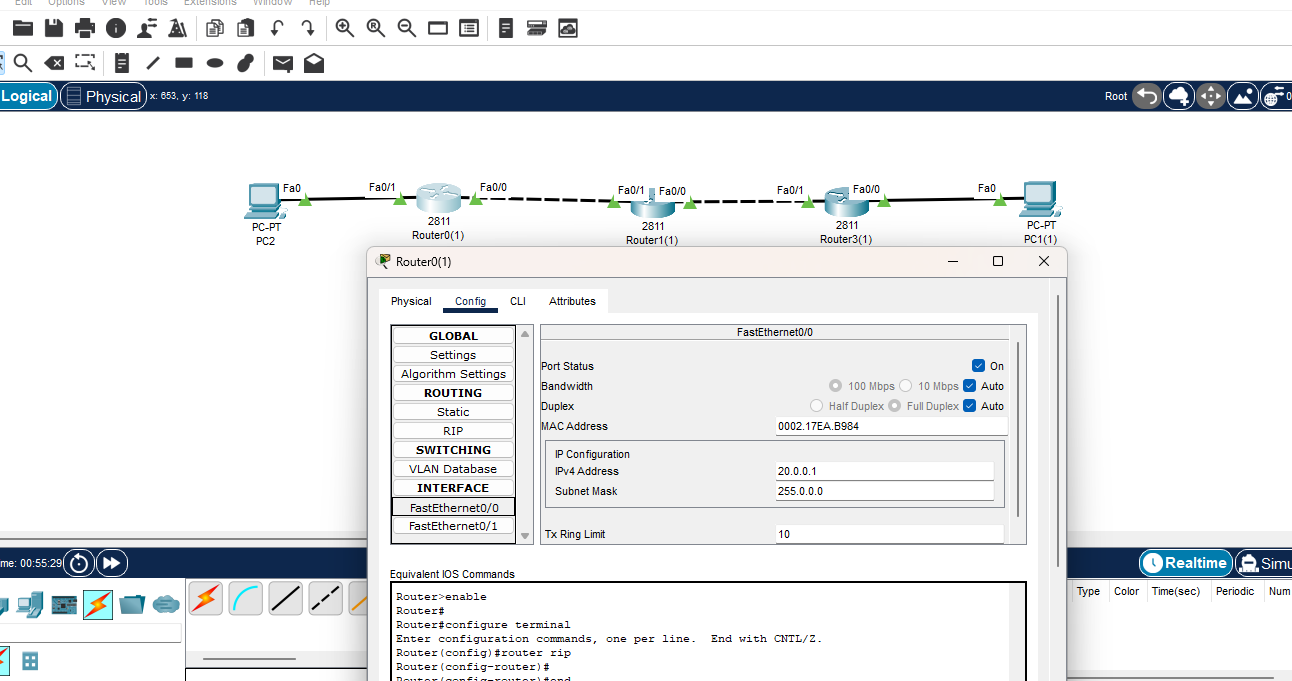


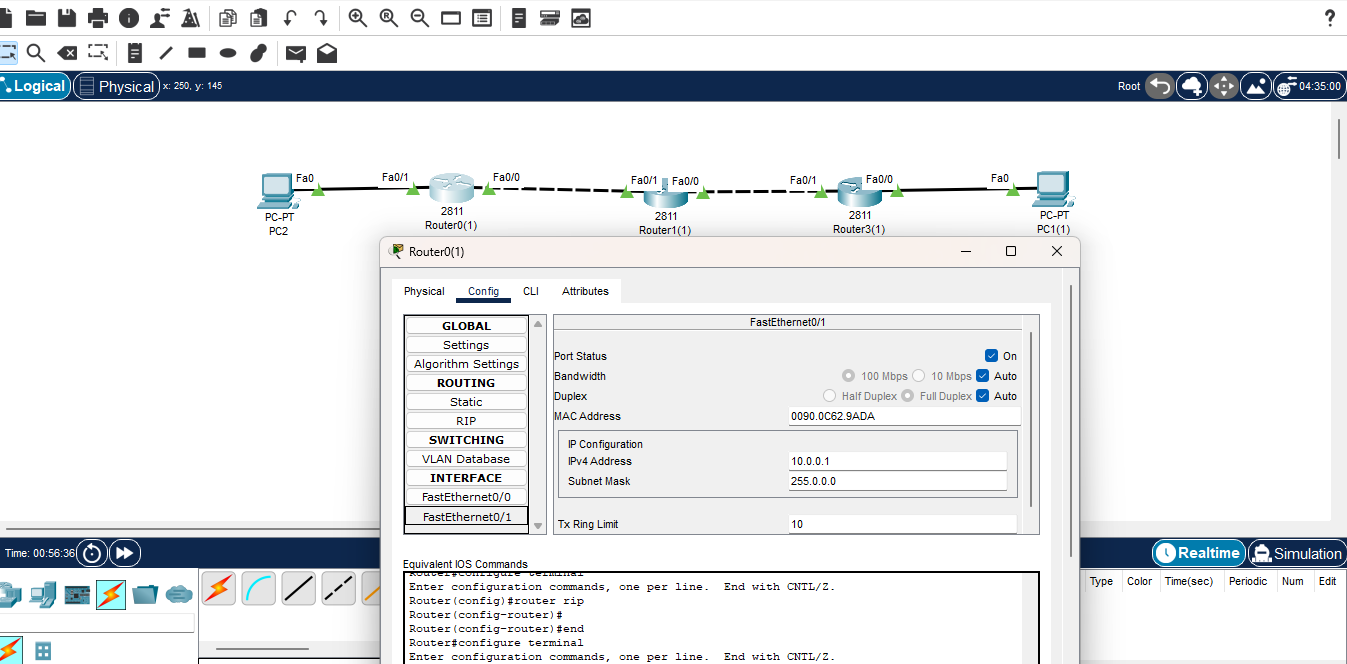


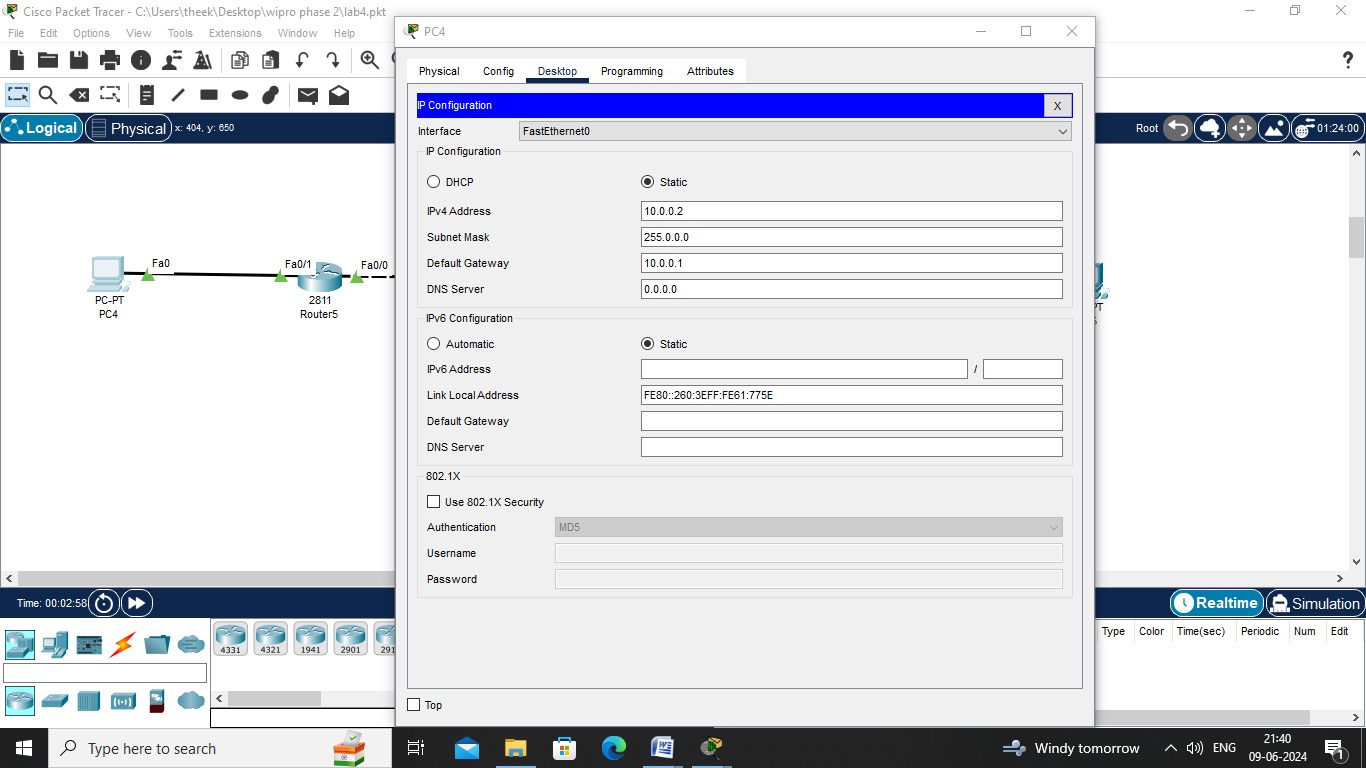


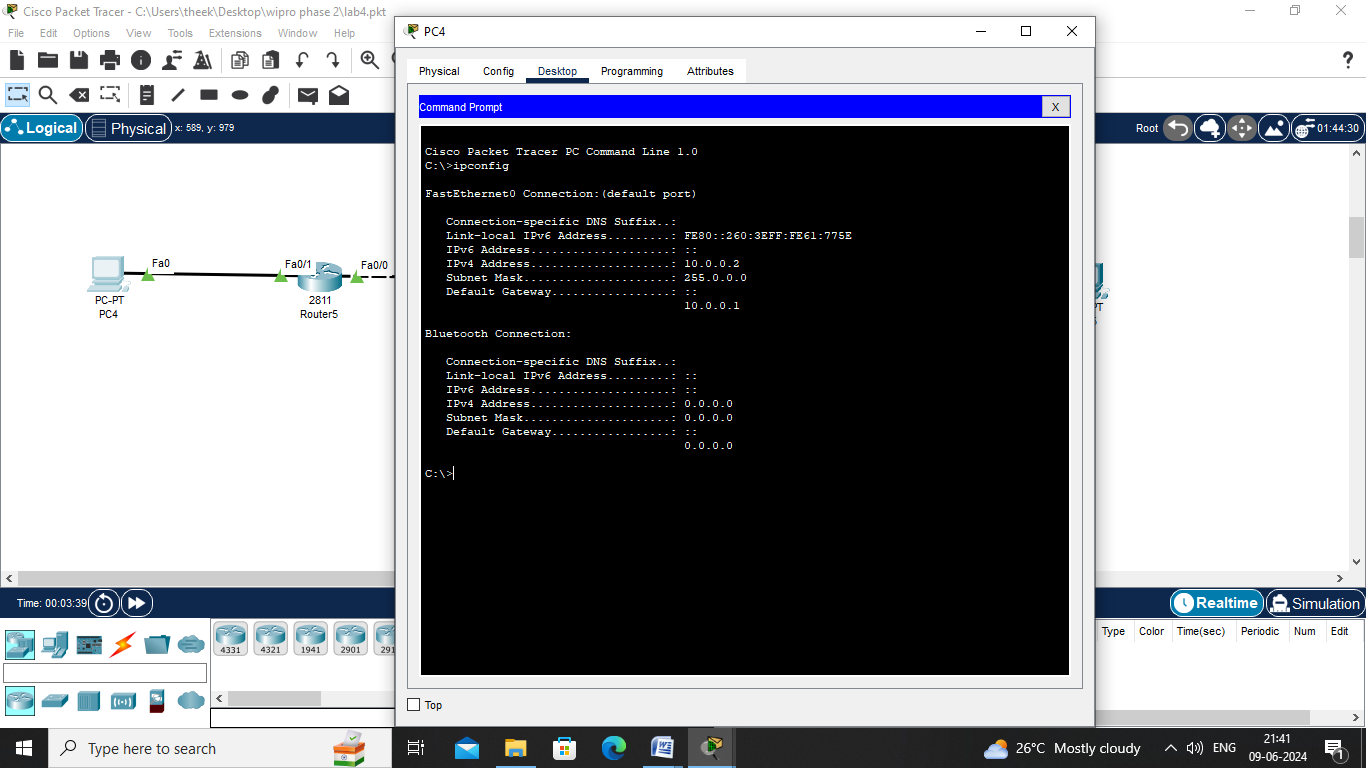
# Lab 5 :-Static routing (on three routers) :-

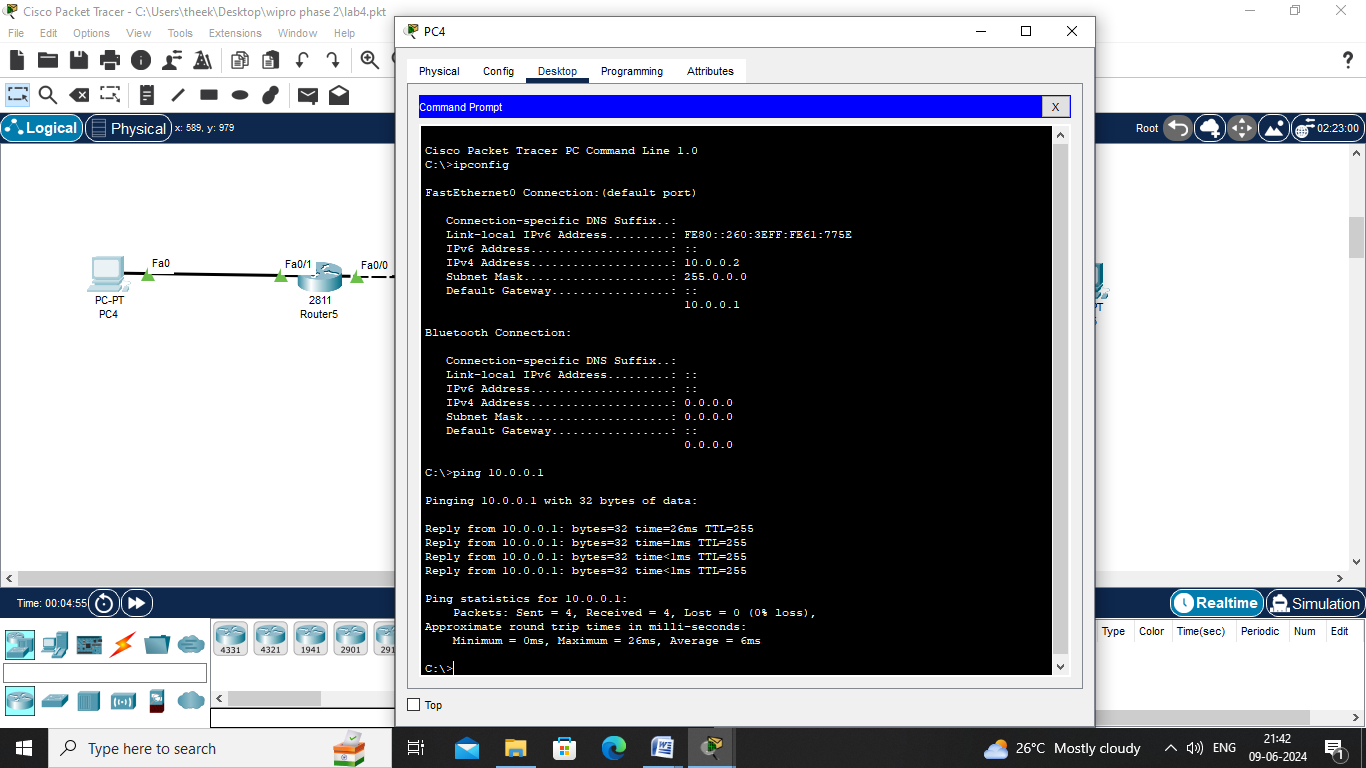


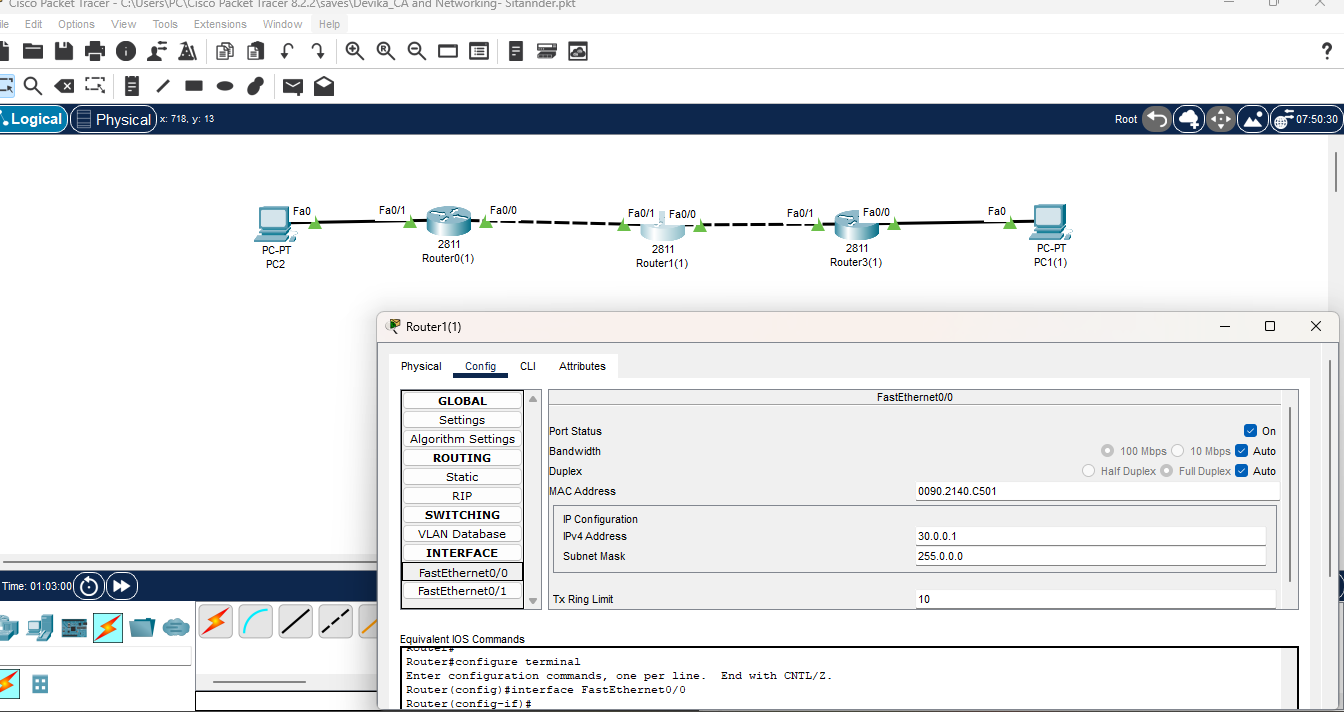


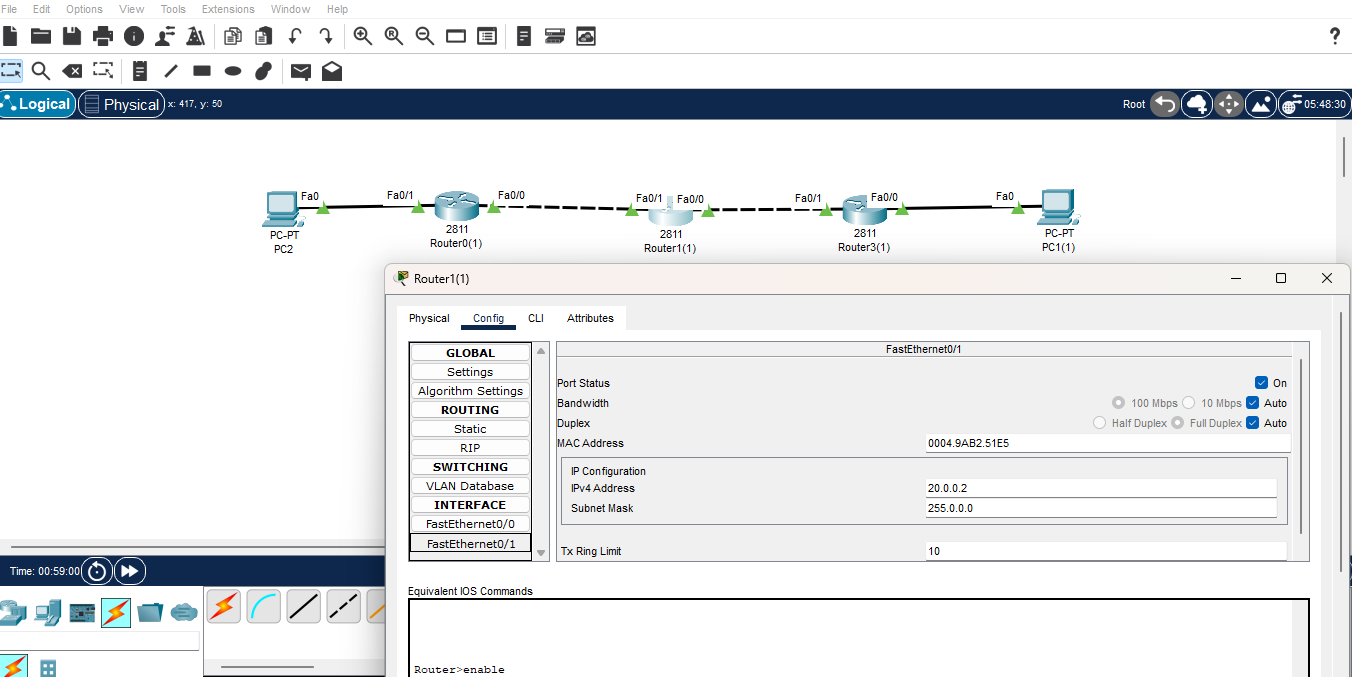


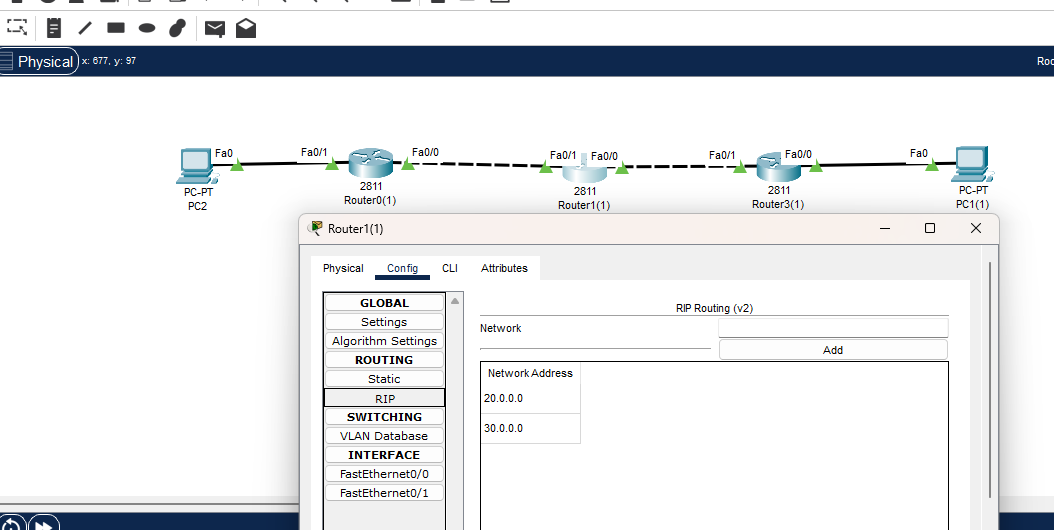


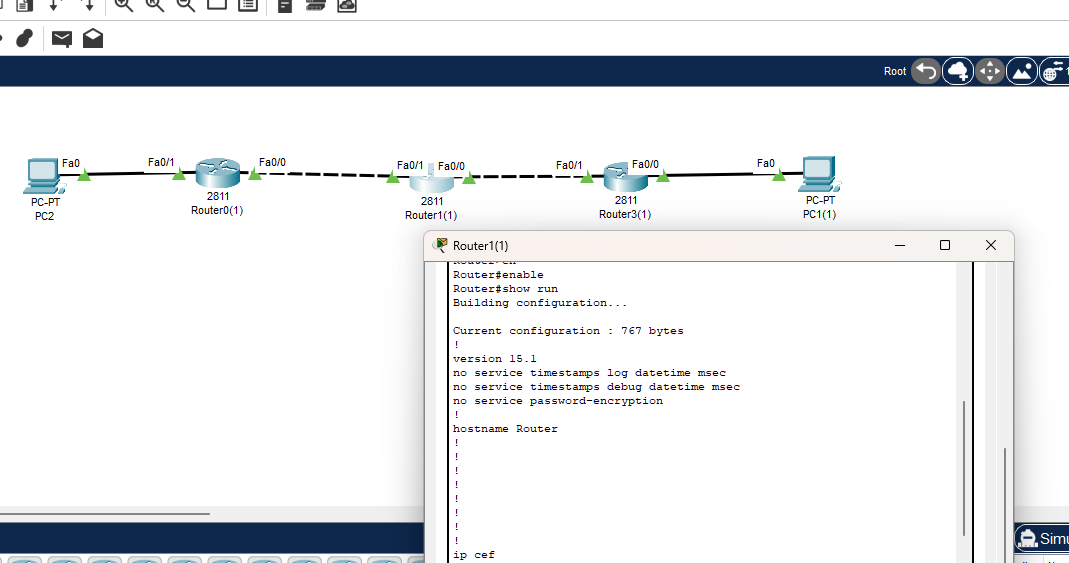


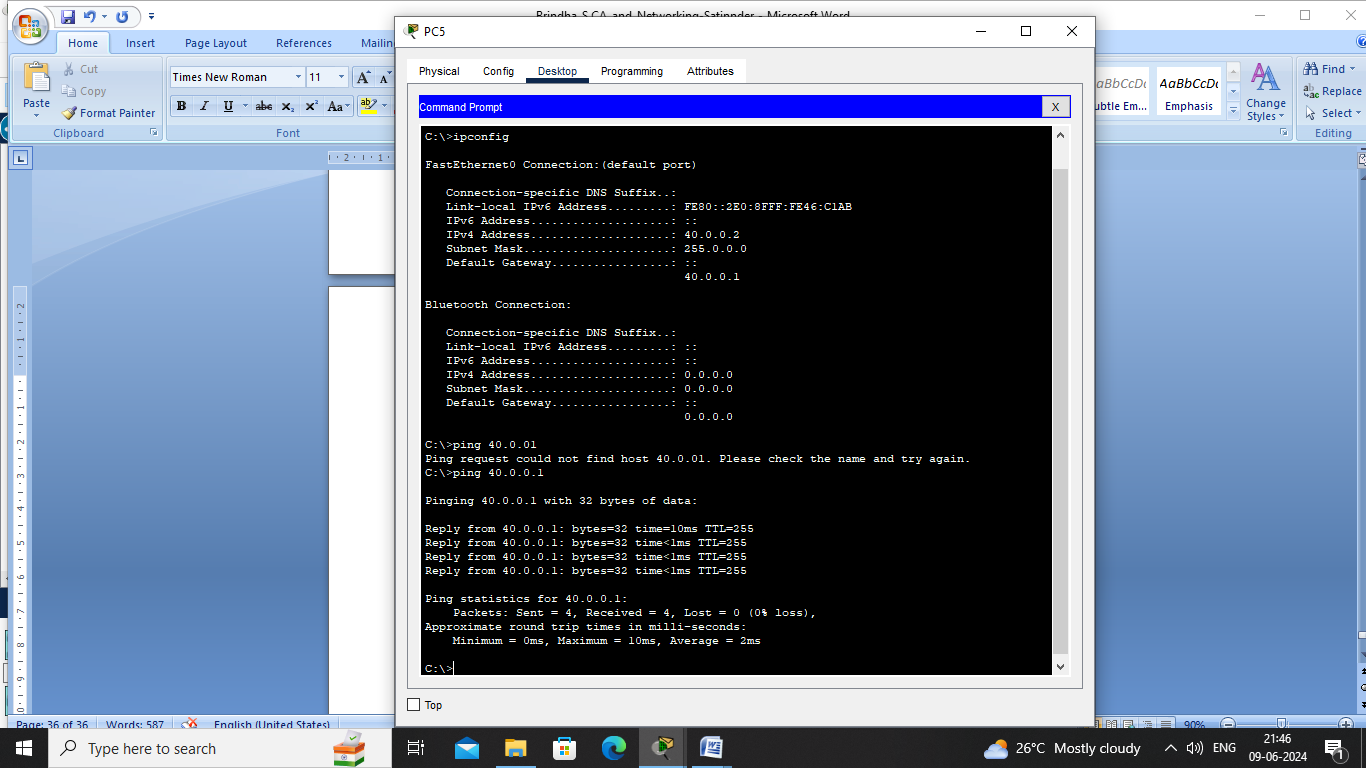


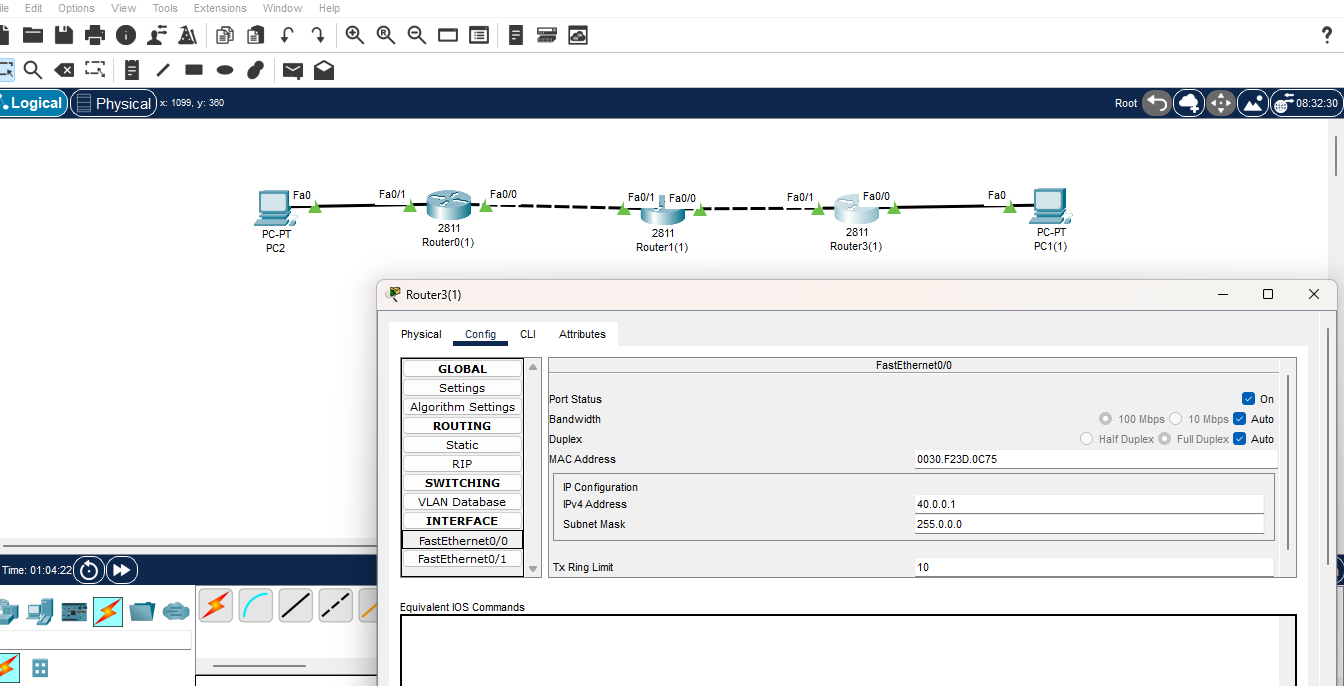


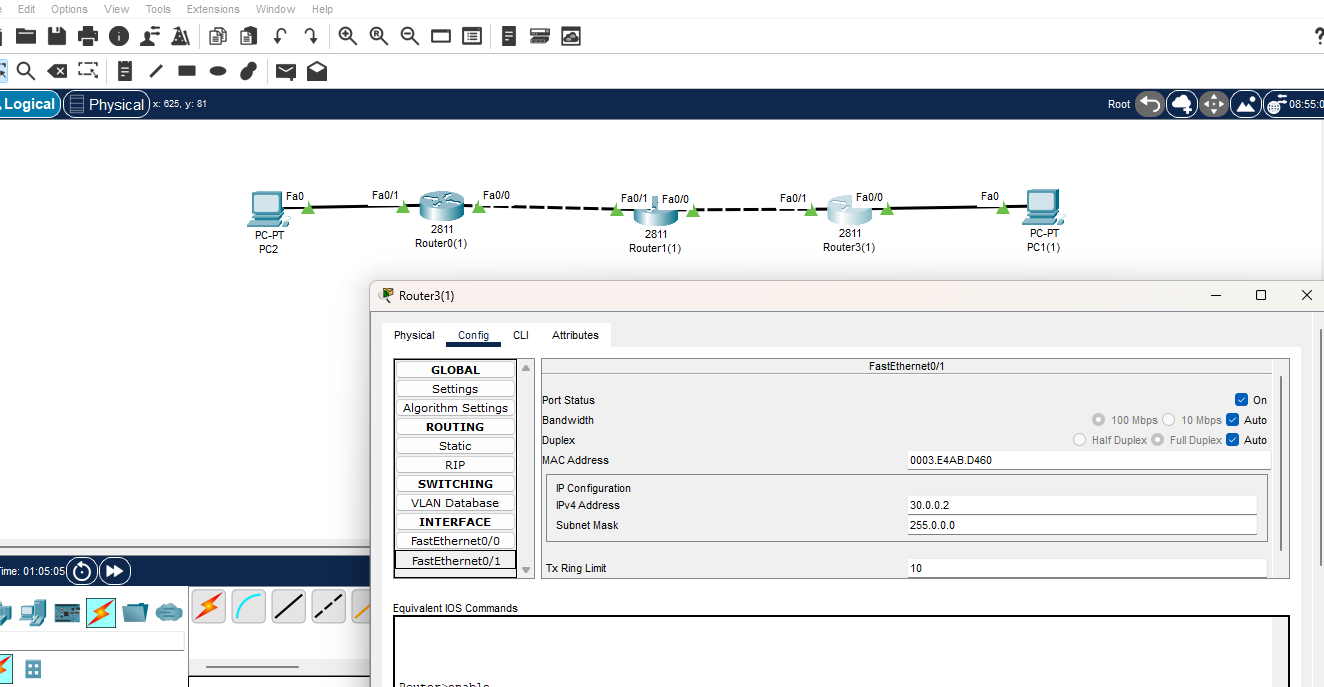




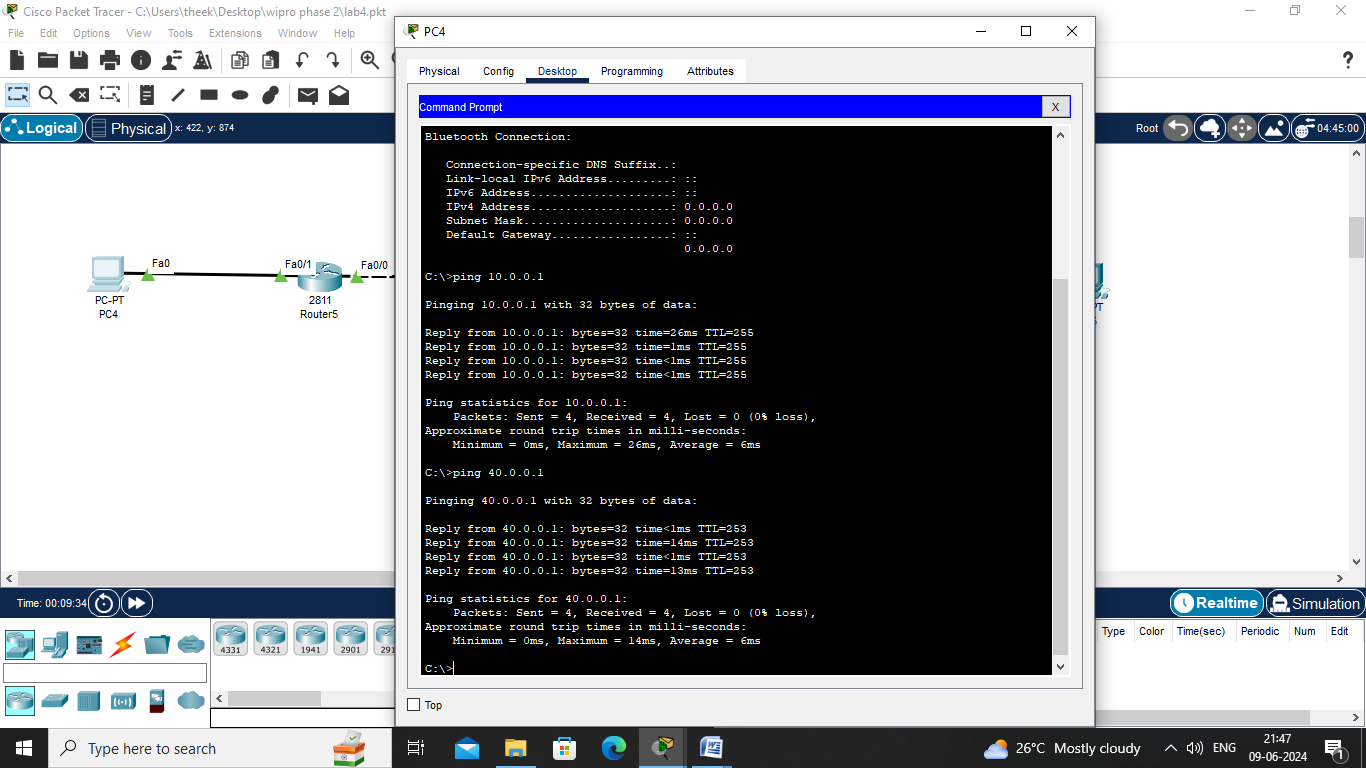
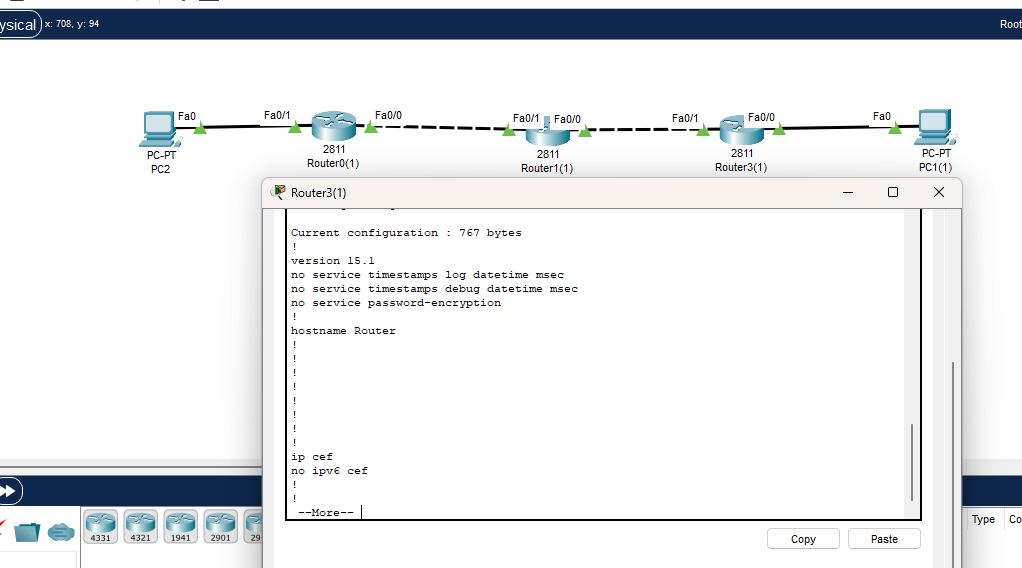


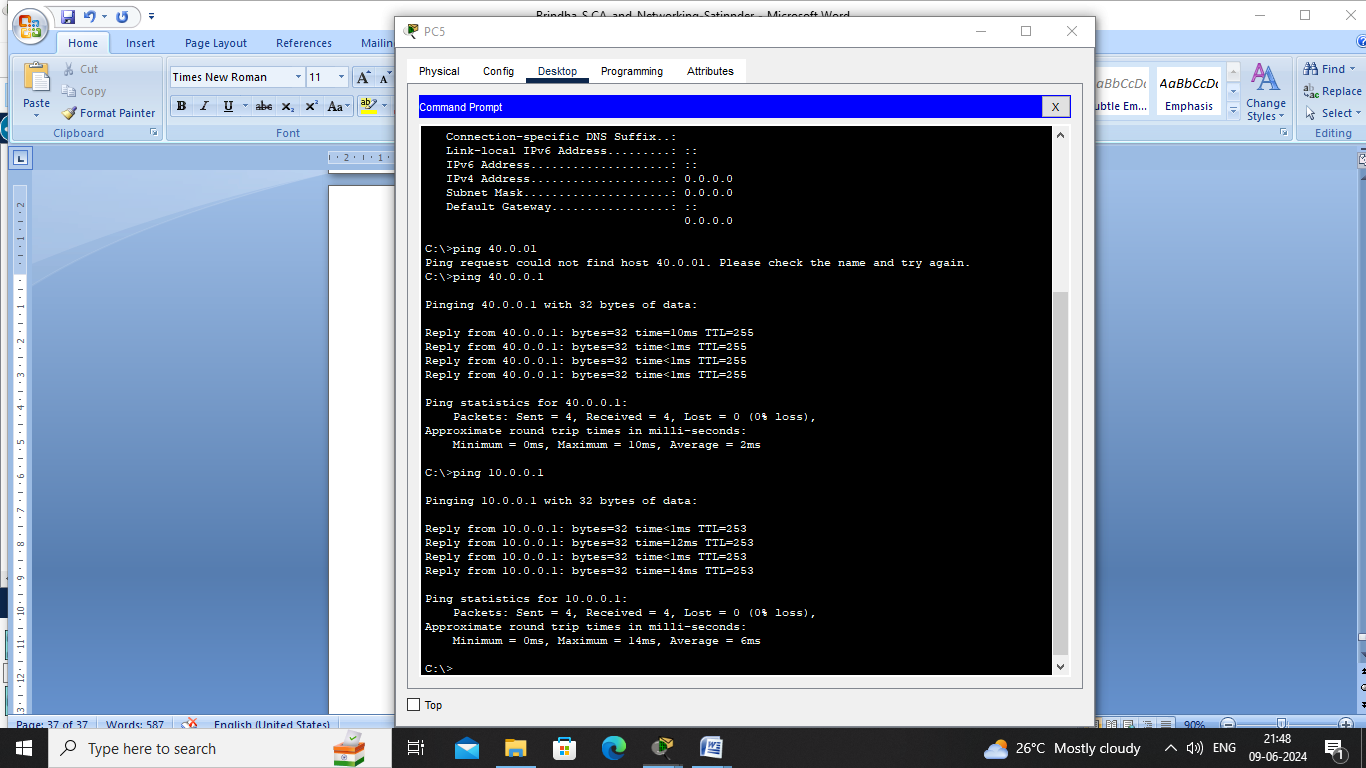












# Lab 6 : Dynamic Routing (on three routers):-

