Assignment 5: Configuration of IP static routing using three routers, three switches and six PC

















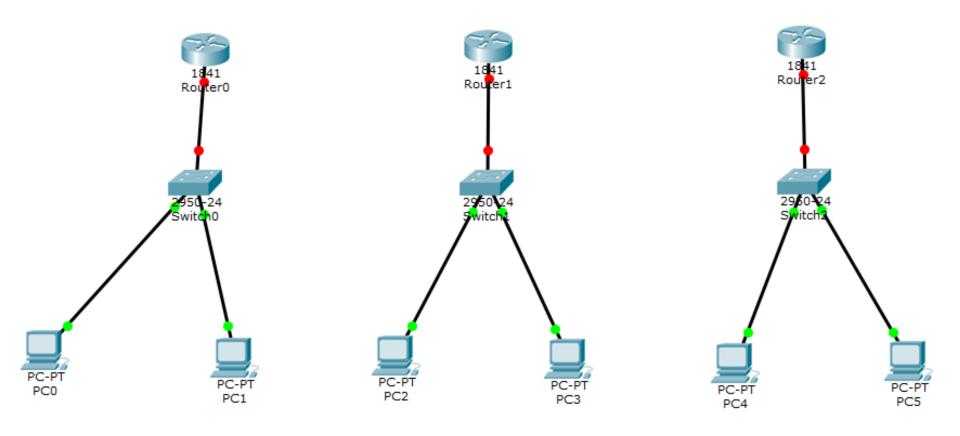




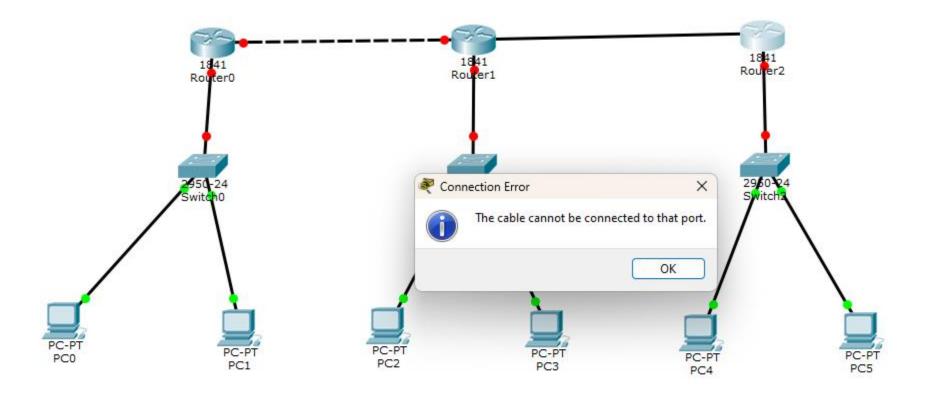




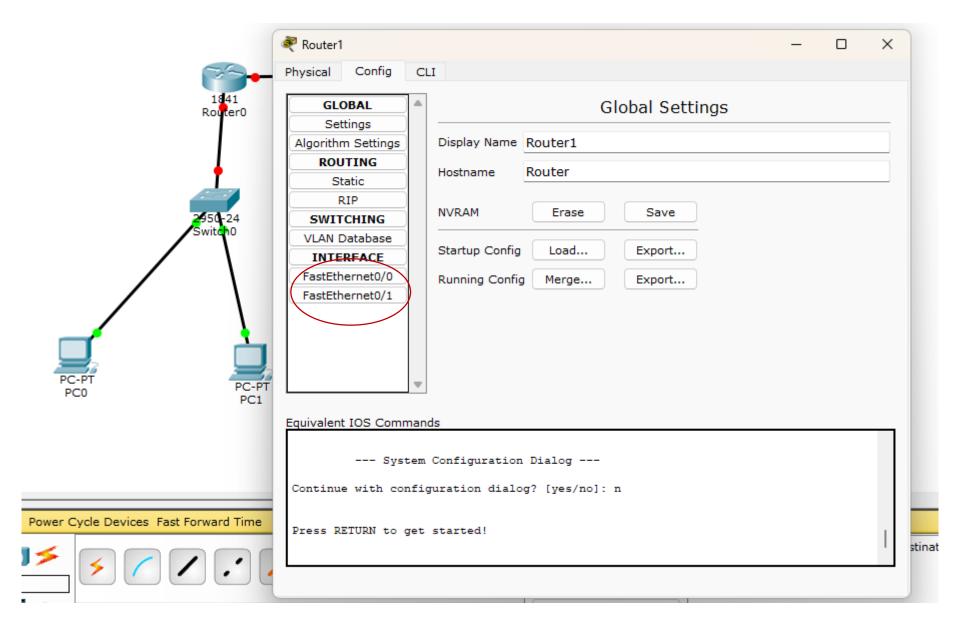
Now we want to connect all the devices. Connection should be made from lower end device to upper end device as we are taking different layers of end devices. We are using automatic connection.



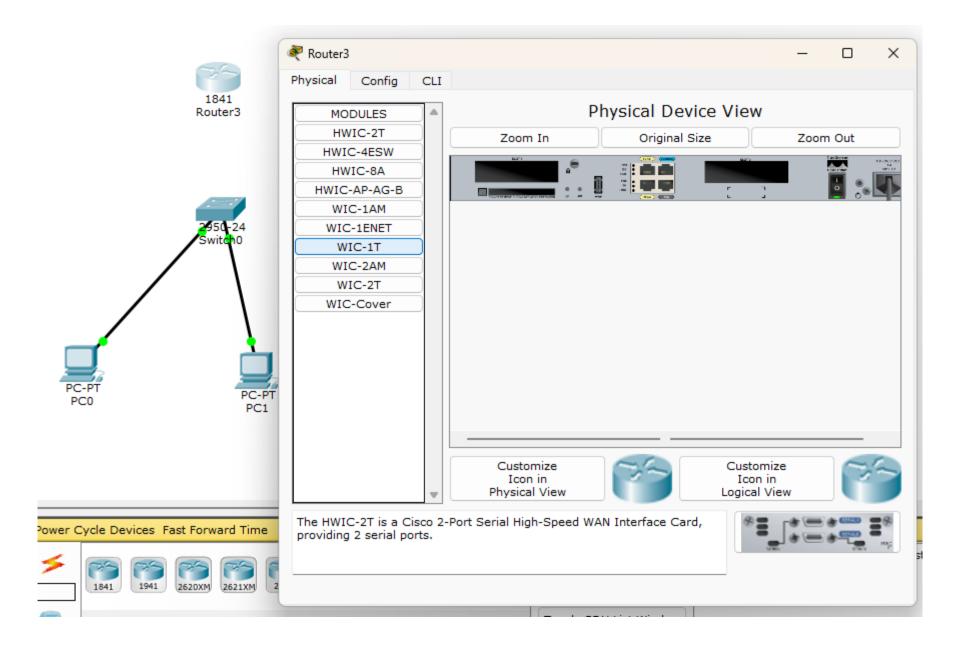
Now we will connect routers. Connection from router0 to router1 can easily made. However, there is a problem in making connection between router1 to router2.



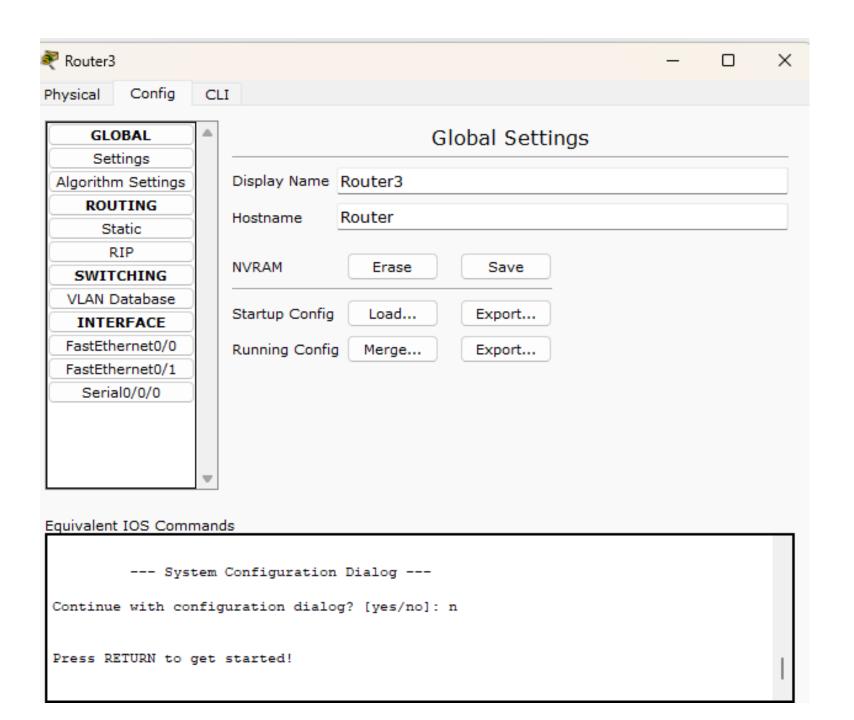
Go to router configuration, it will allow only two wires to connect.



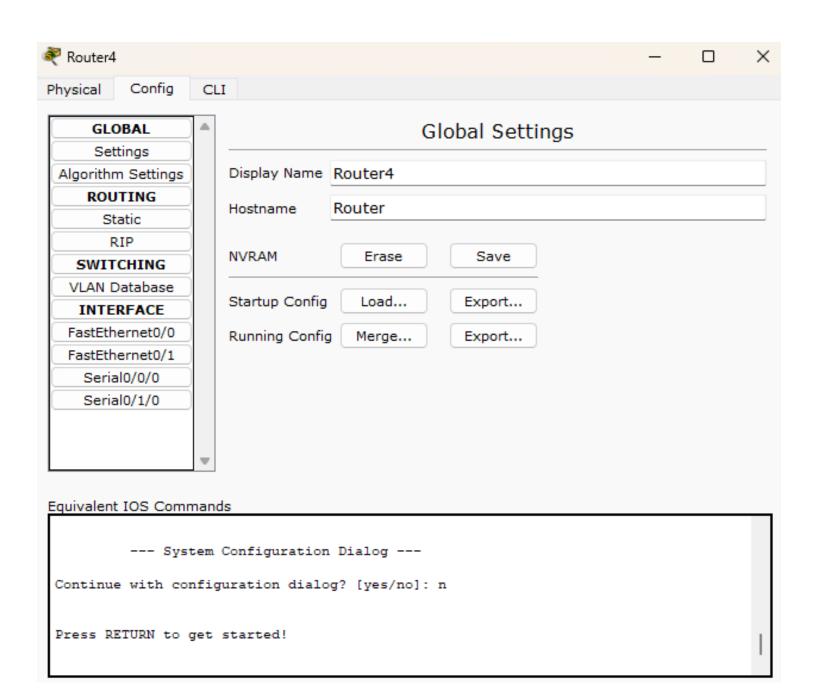
We need to add extra port to the router.



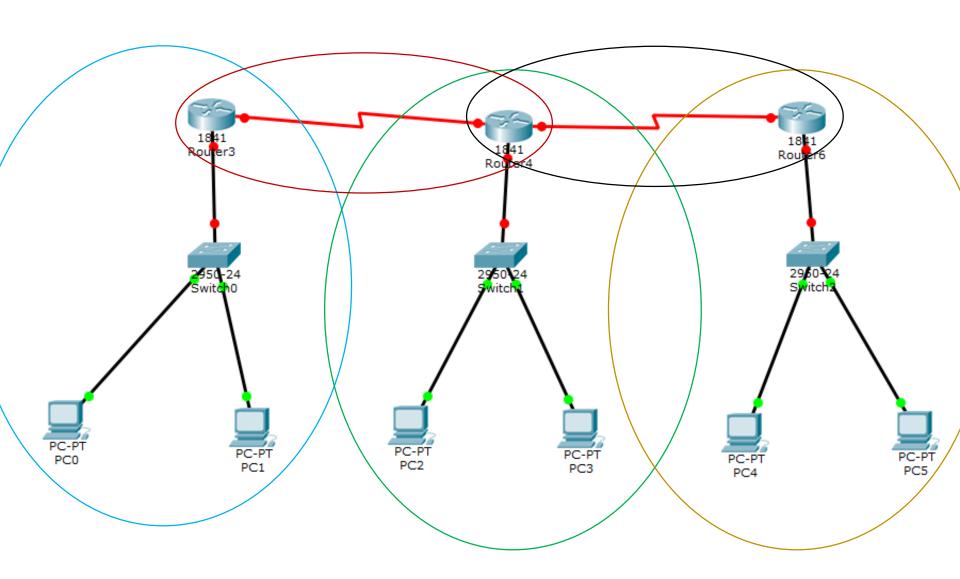
Go to physical of router3. Chose WIC-1T. Turn the switch off. Take an extra port from bottom and place it. Then turn on the switch. Then go to the configure mode of router. It will show three ports.



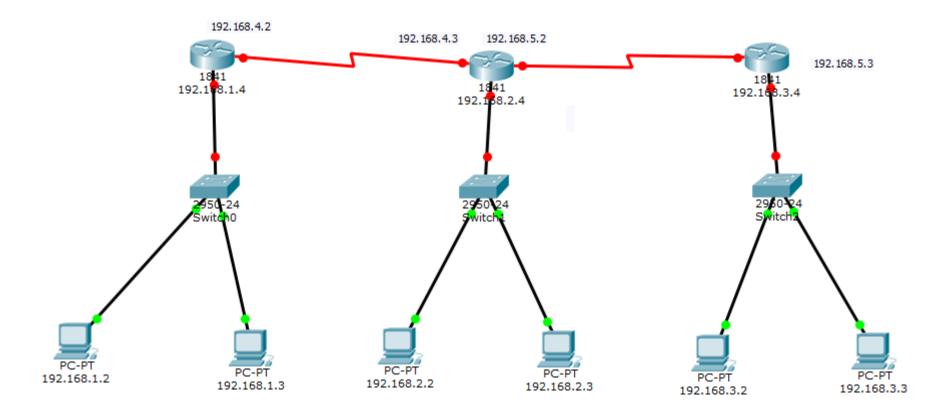
Similarly we will add 1 extra port to router5. And 2 extra port to router4.

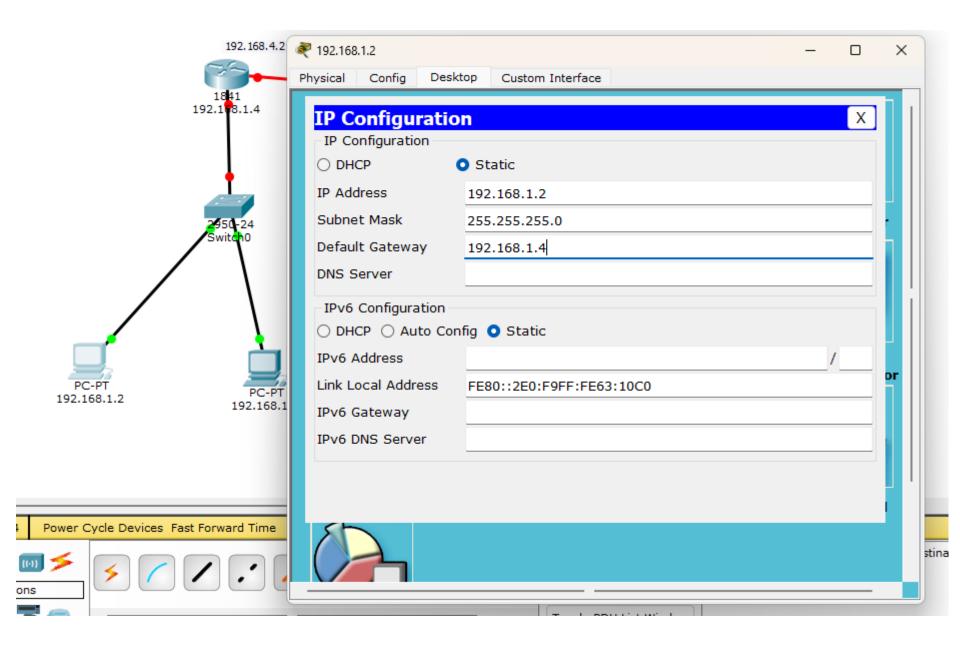


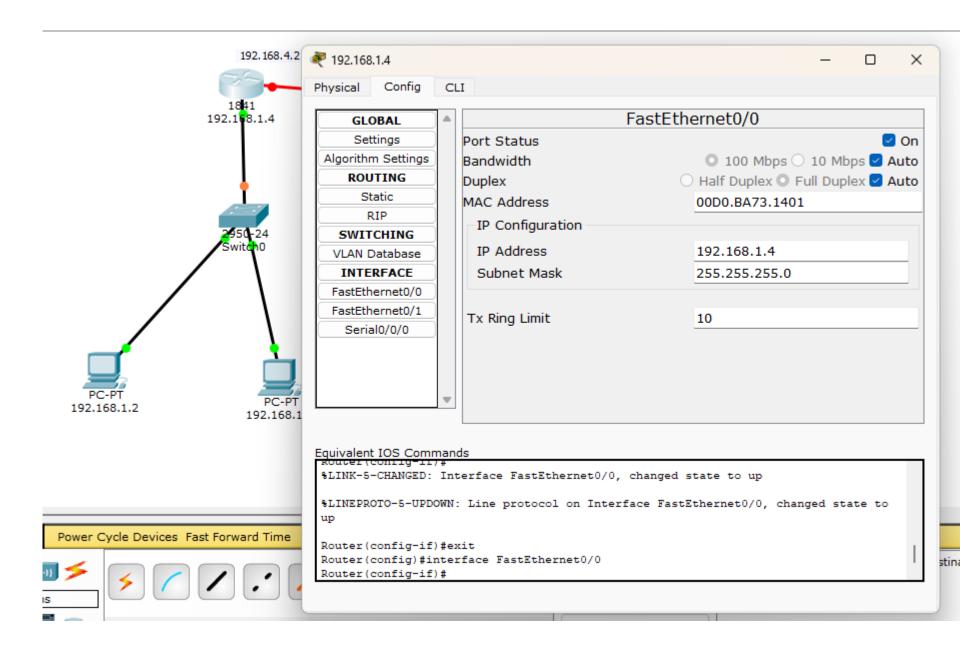
Let us connect all routers.

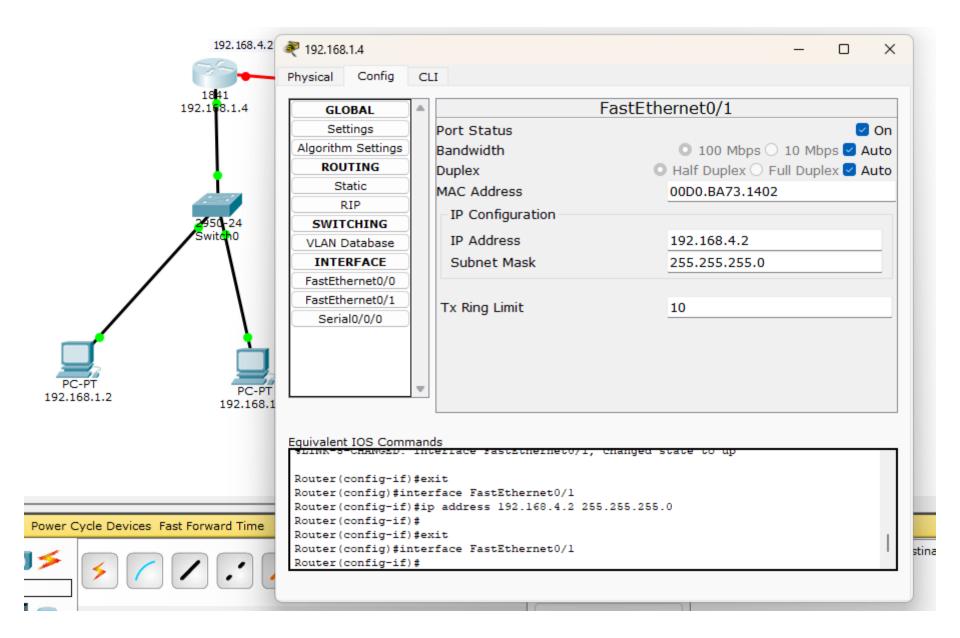


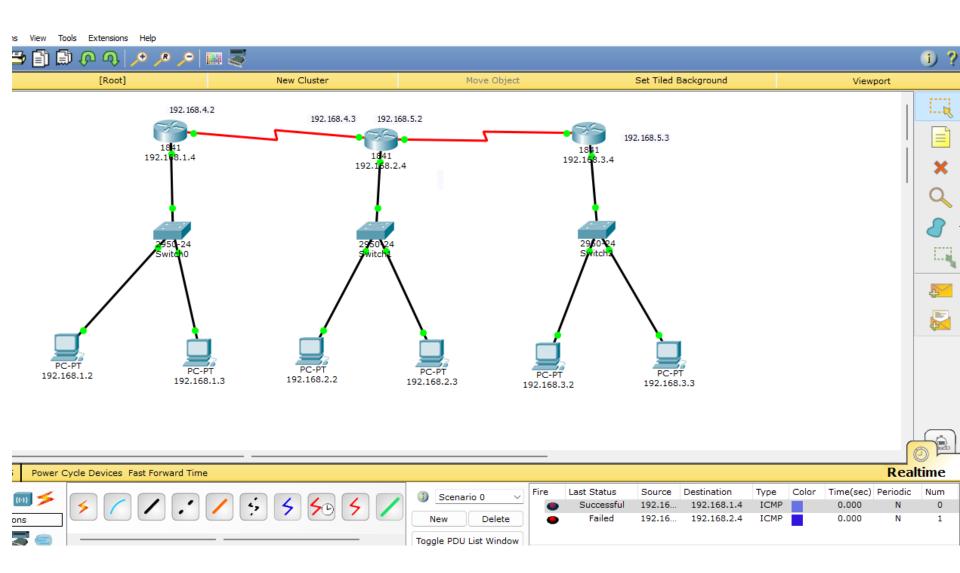
Let us provide IP addresses to each end devices.



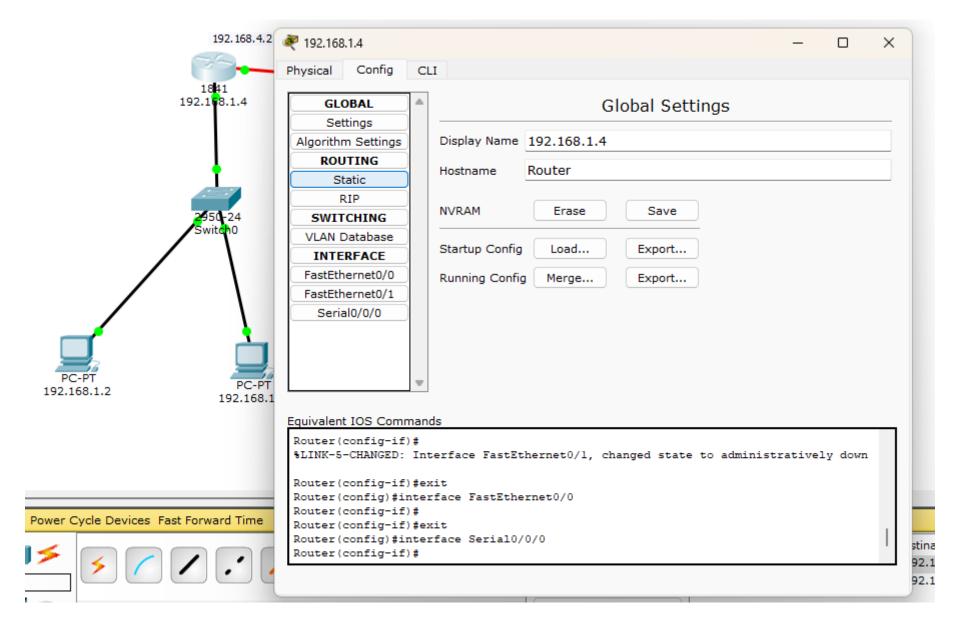


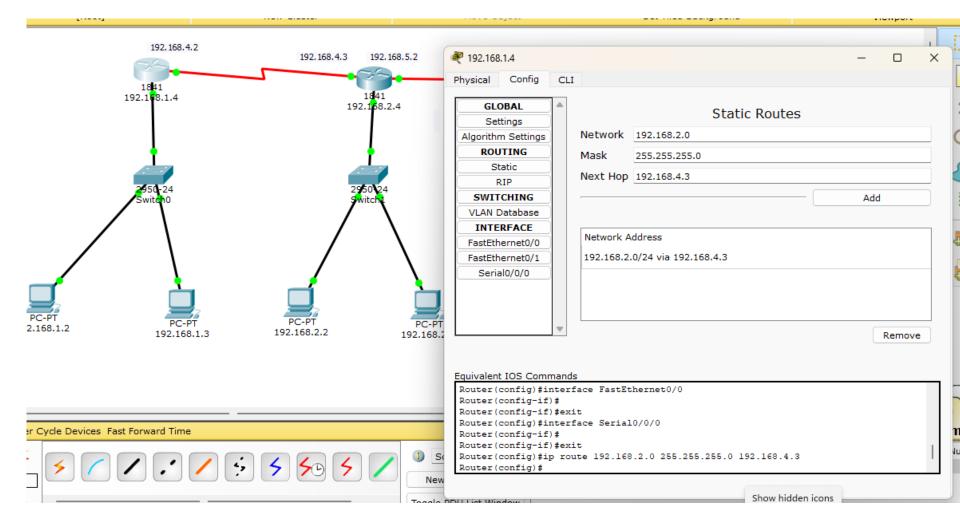


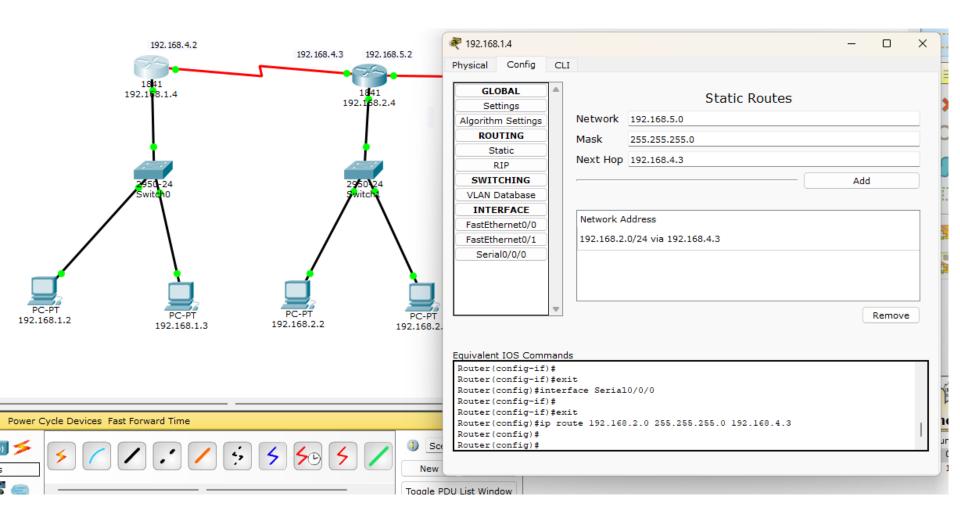


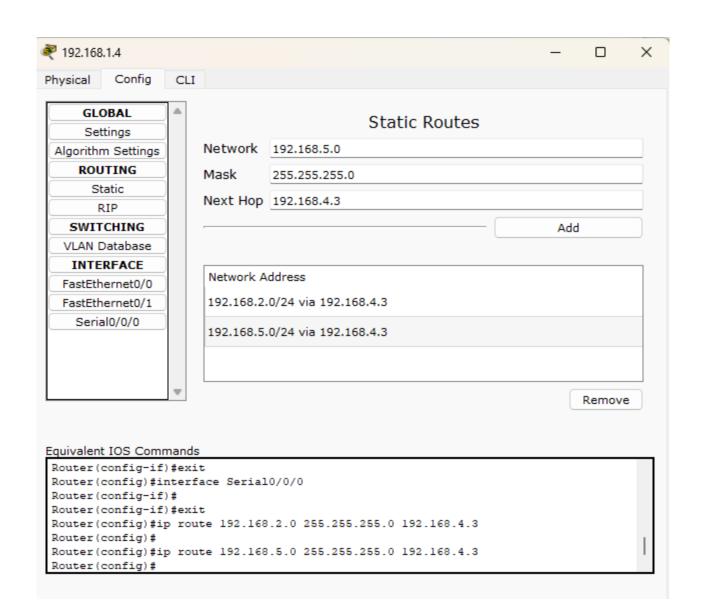


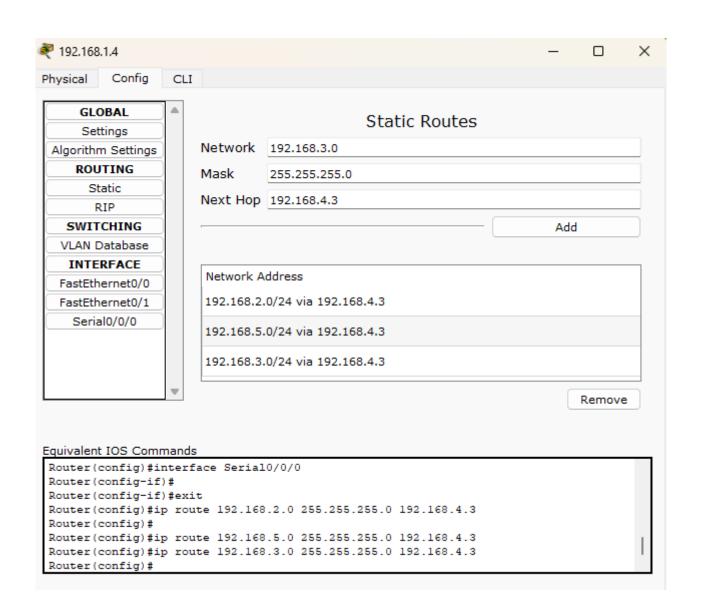
We need to configure router4 for static routing.











We have to do similar thing for router5 and router6

