Assignment 7: Configuration of RIP (routing information protocol) dynamic routing using three routers, three switches and six PC











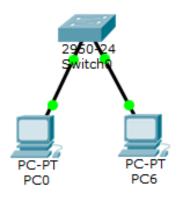


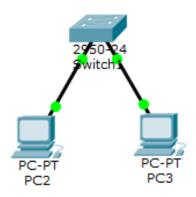


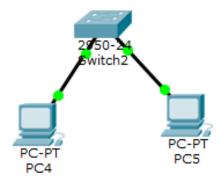




Connect them using copper straight through wires.



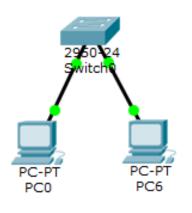


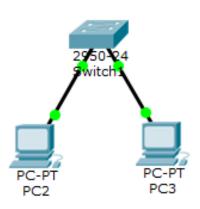


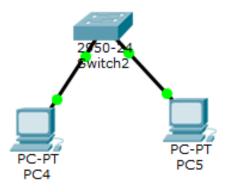




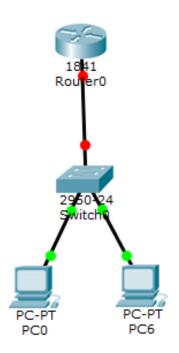


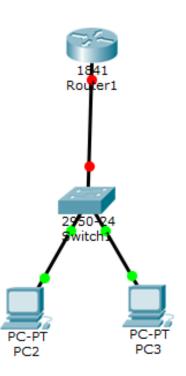


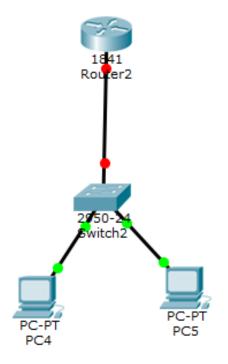




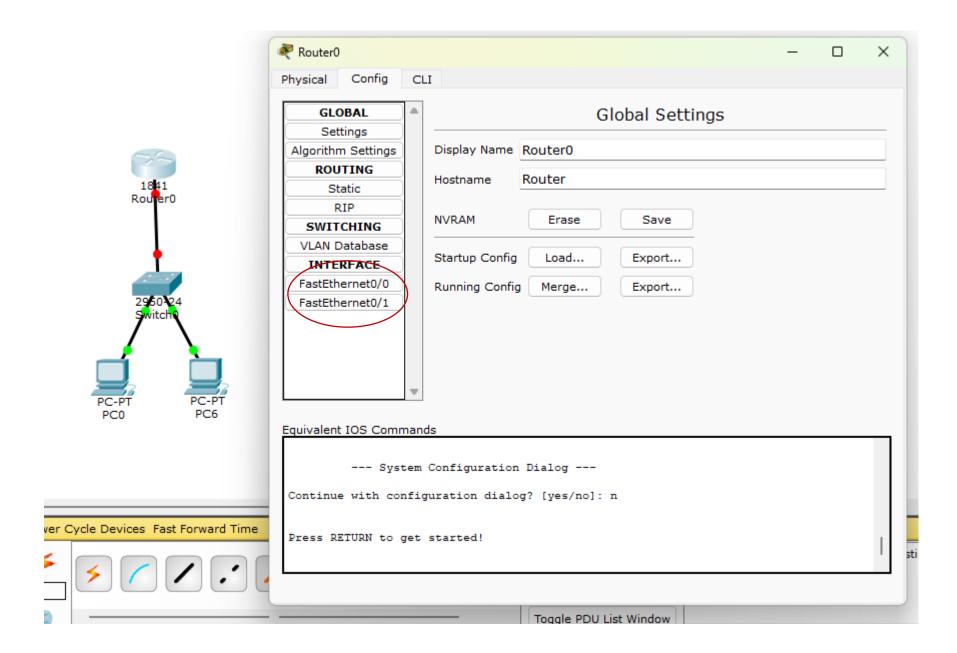
Connect switches to fastethernet0 port of each router using copper straight through wires.



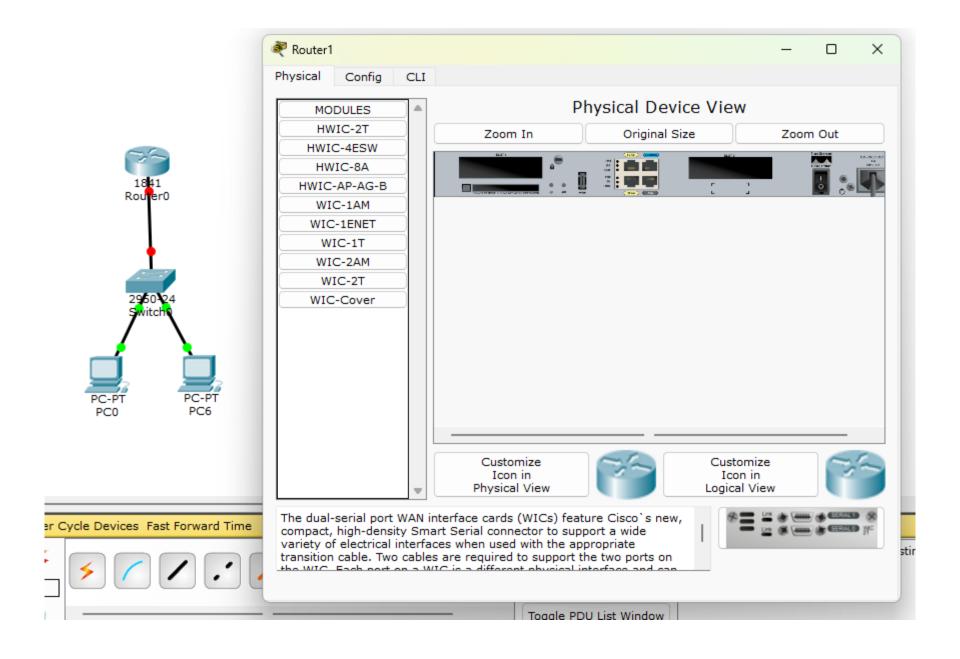




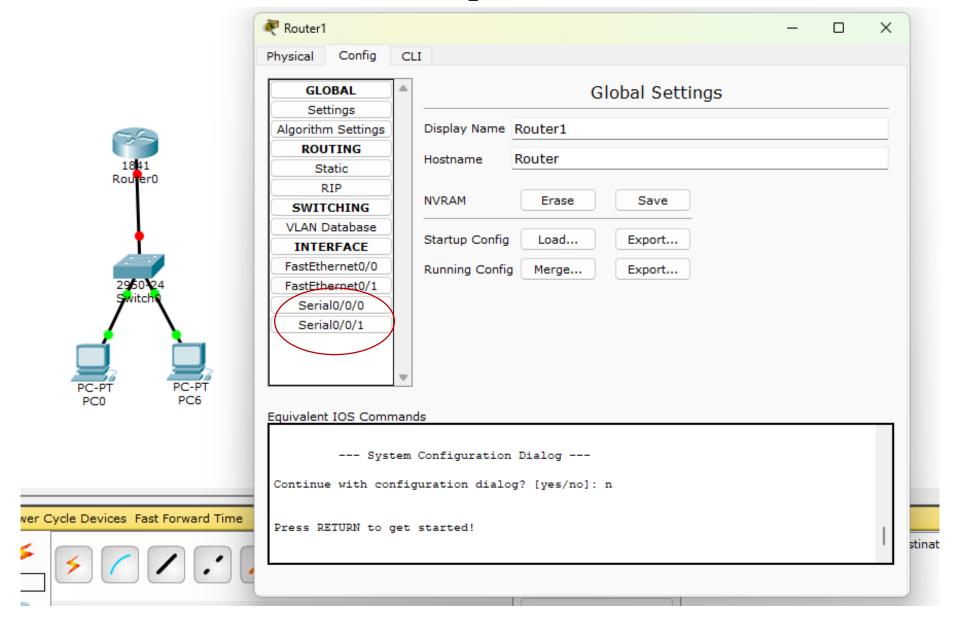
Go to router configuration, it will allow only two wires to connect in two port.



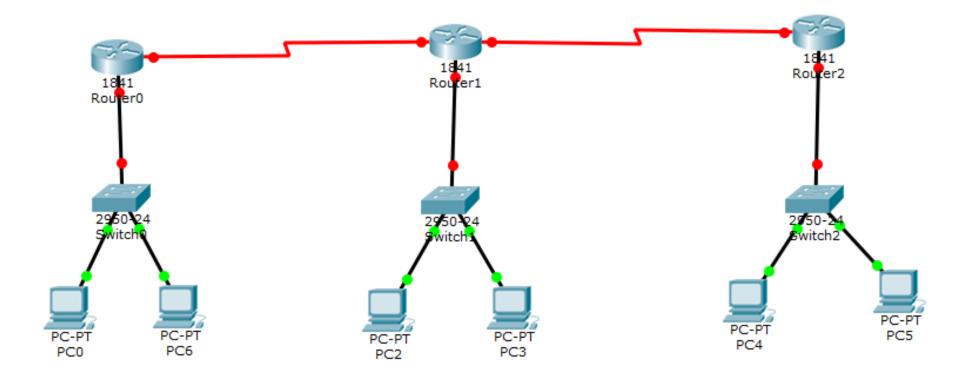
We need to add extra port to all the router. Go to physical mode of each router. Click WIC-2T. Turn off the switch. Take extra ports from bottom and place it. Turn on the switch again.



You can see two extra serial ports are there.

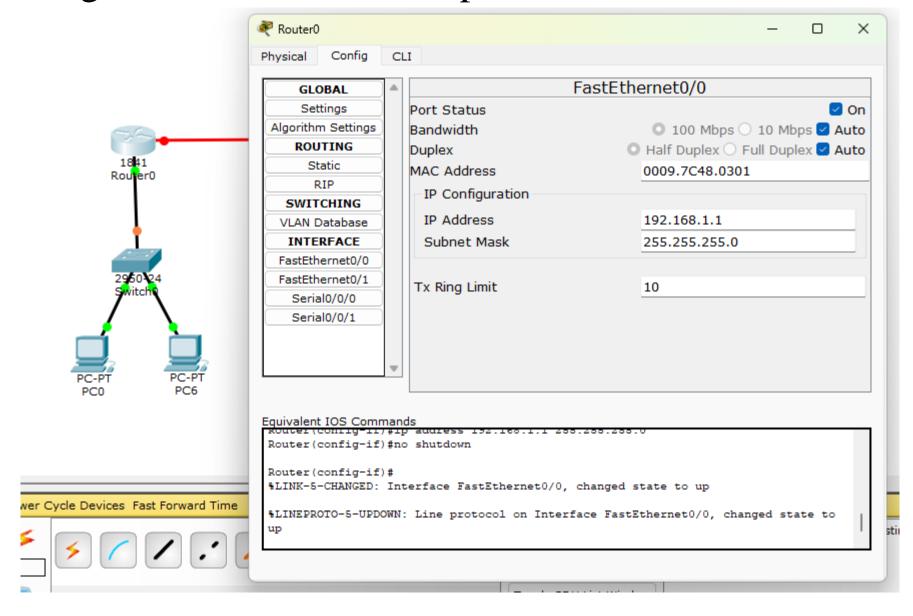


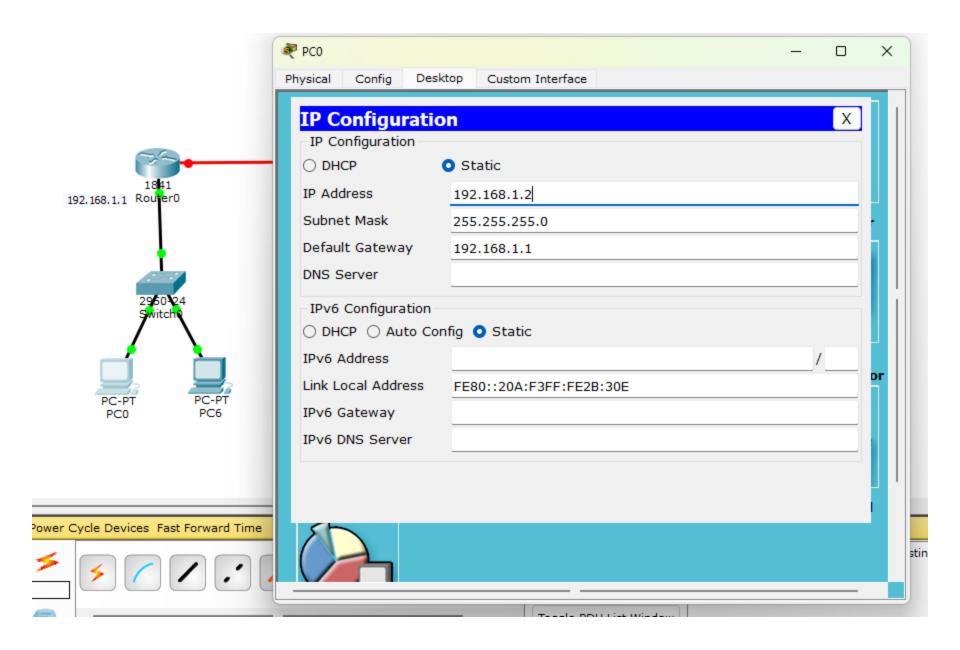
Connect serial ports of router using serial DTE lines.

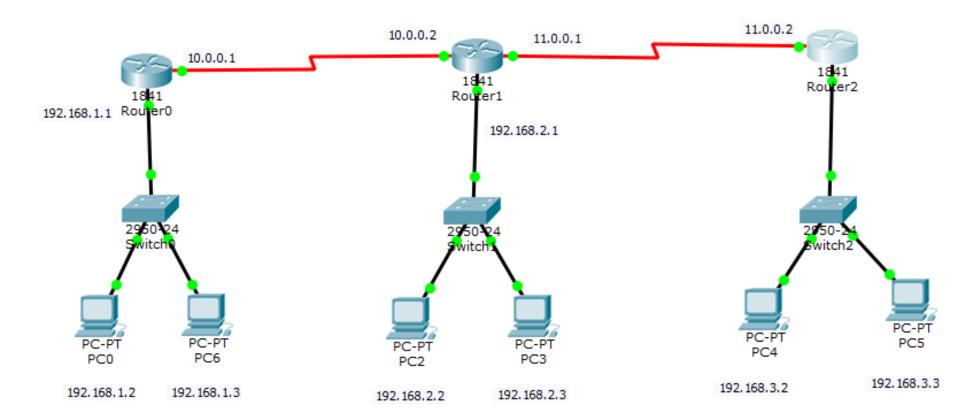




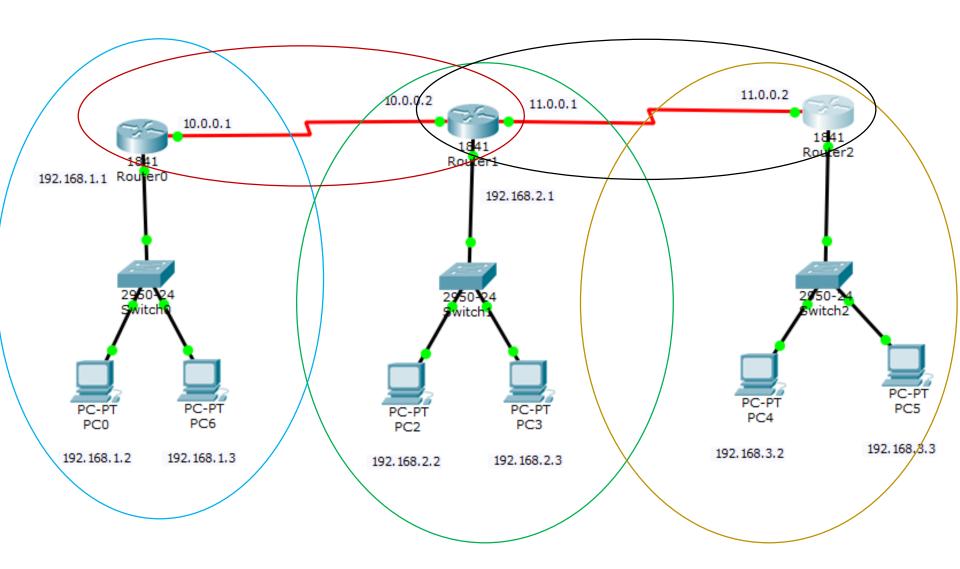
Configure all the routers and pcs with IP address.



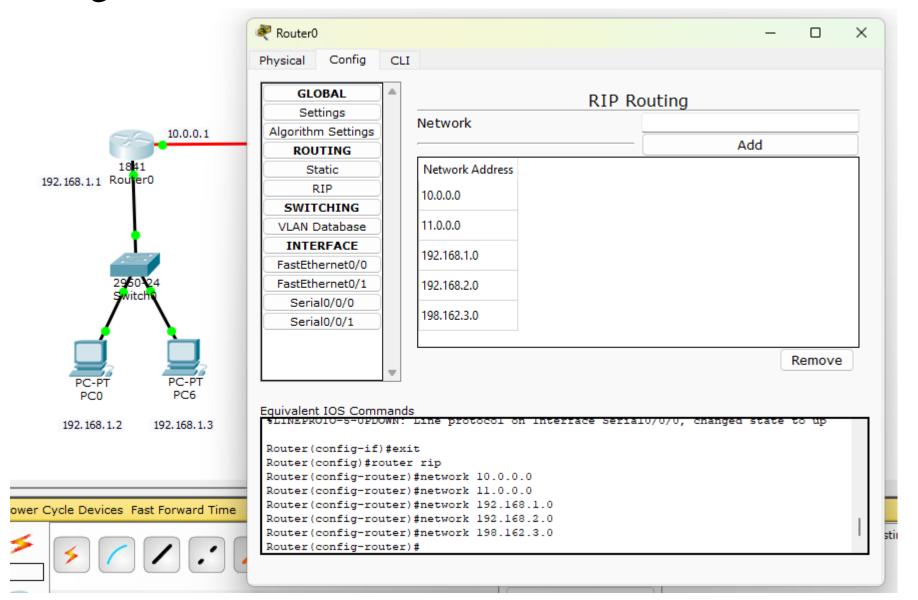




Now we can configure dynamic routing before sending data.



We will add network to each router. Click on router. Go to configure mode. Click RIP. Add different networks.



Now go to setting and click on save button.

