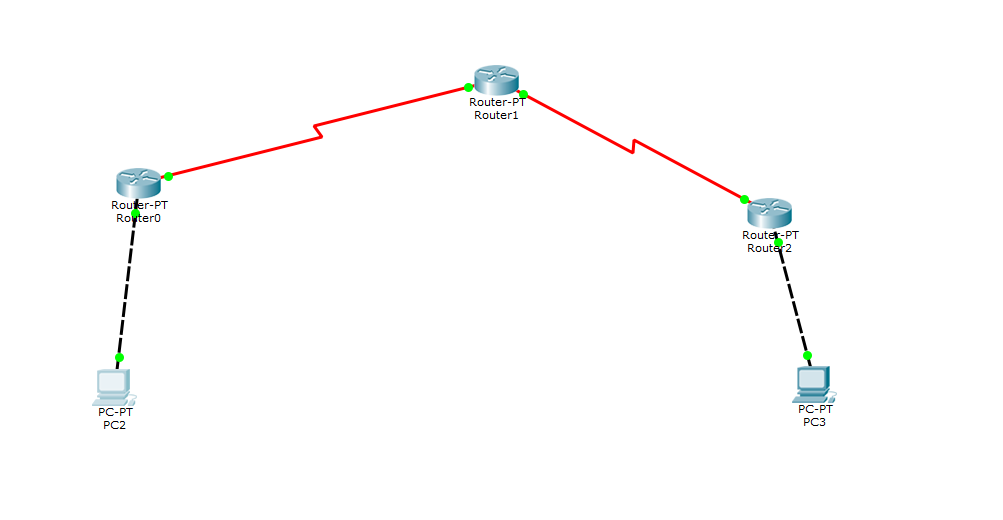
**WEEK 6**

**Configure OSPF routing protocol**

[NAME: VARUN RAJ S; USN: 1BM21CS264]

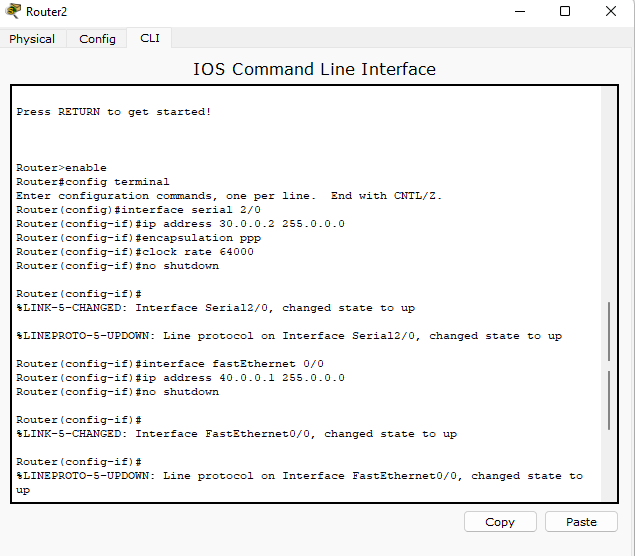
**Topology:**

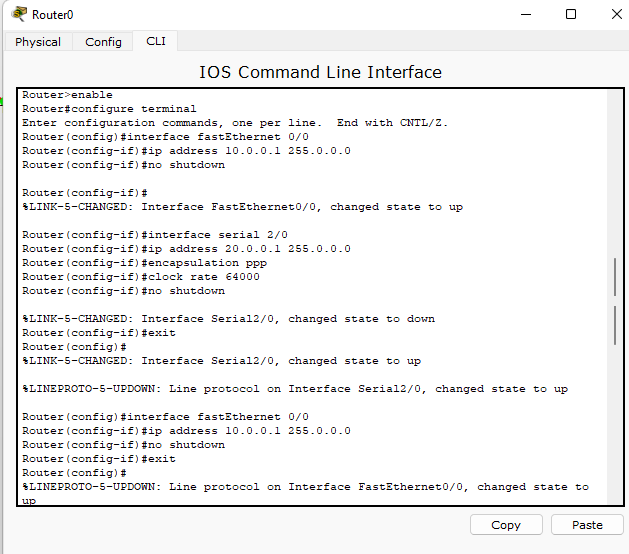


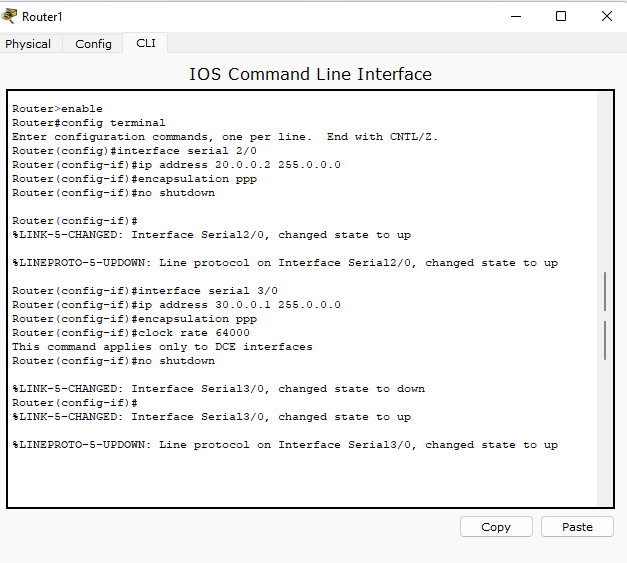
1.Configure ip addresses to all interfaces:

(serial-router to router, fastEthernet-router to end device)

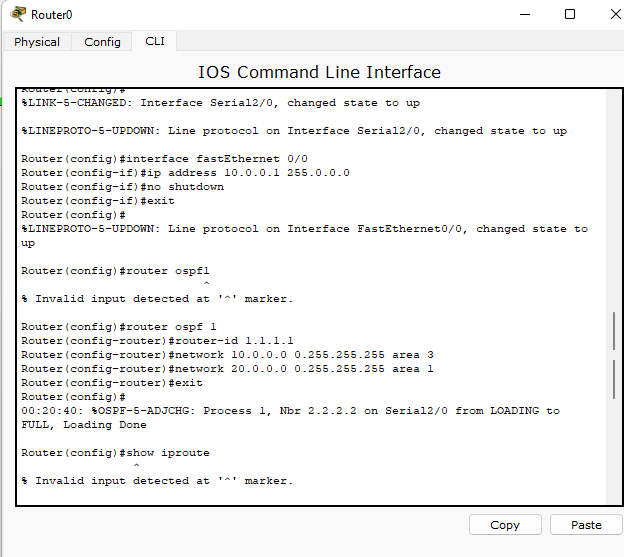
(similar to RIP exp)

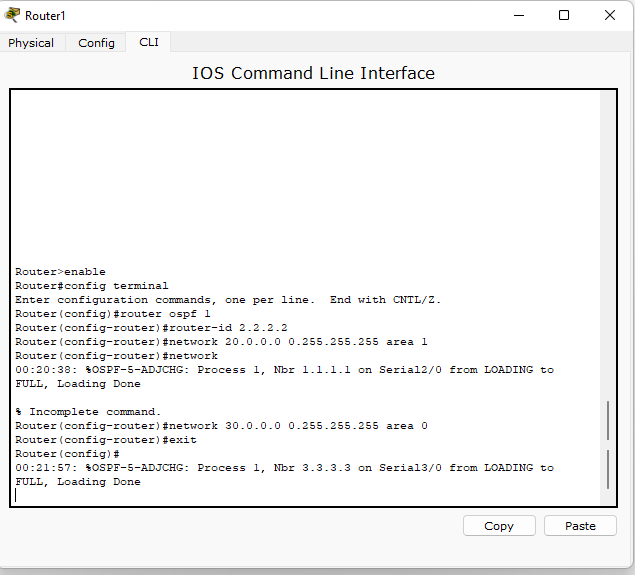


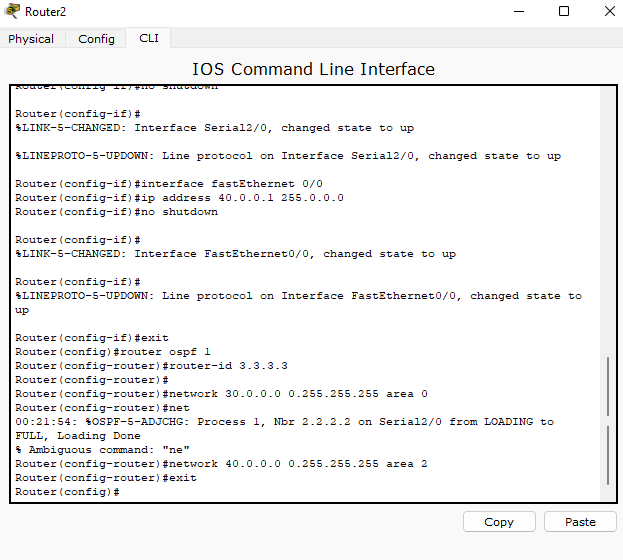


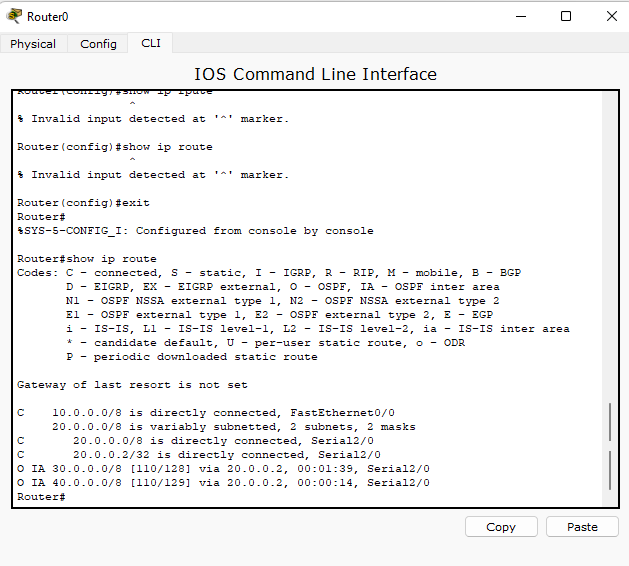
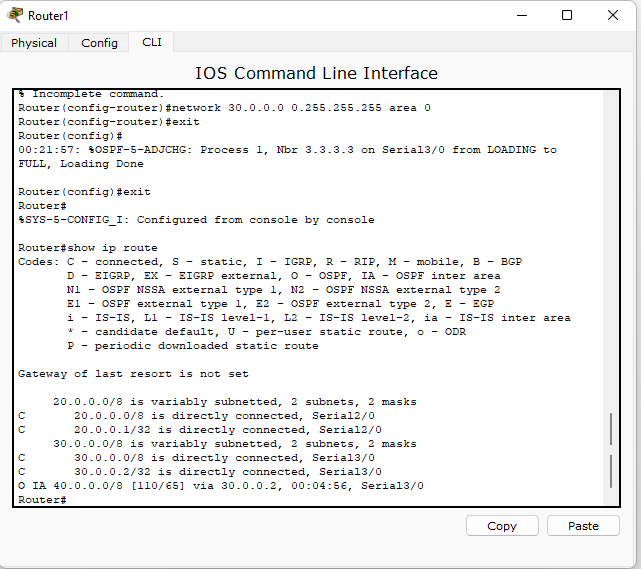


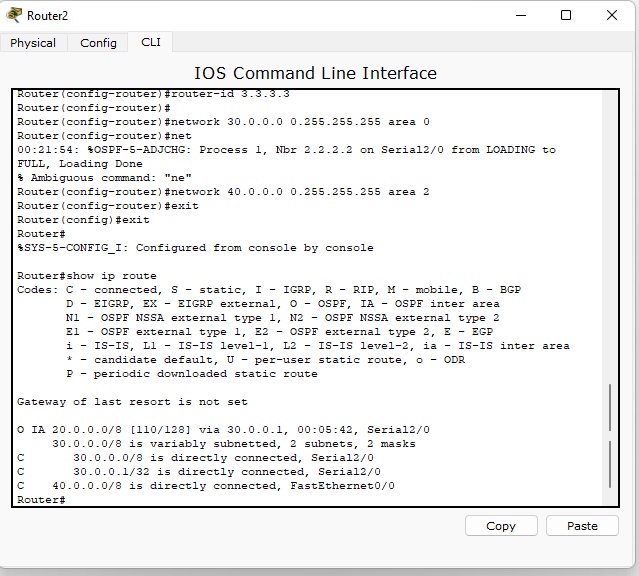
2.Enable ip routing by configuring OSPF in all routers:



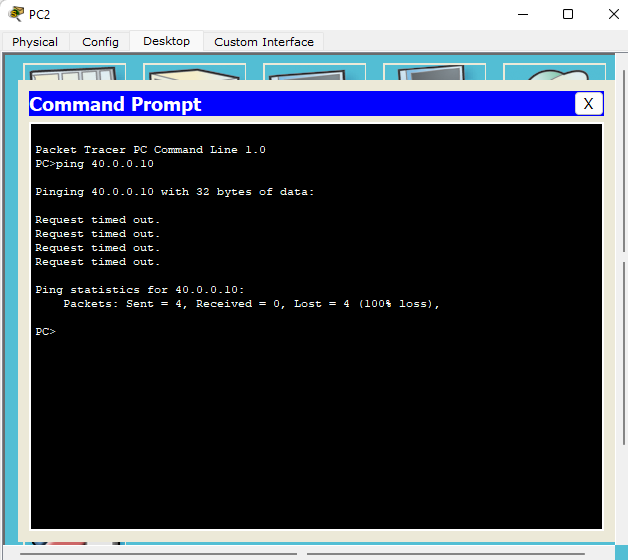


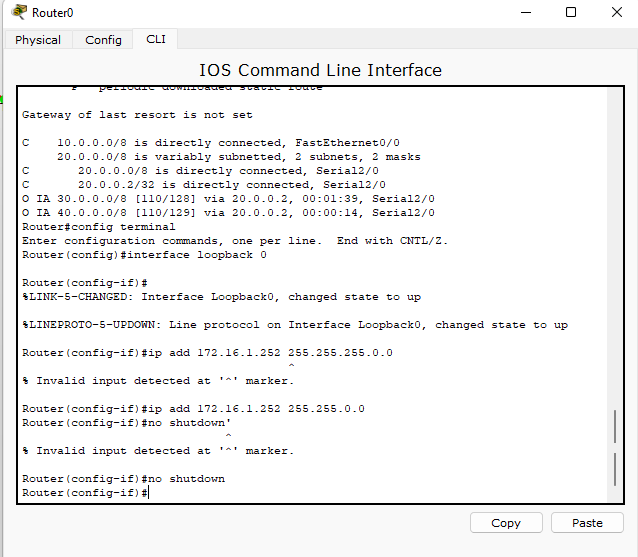
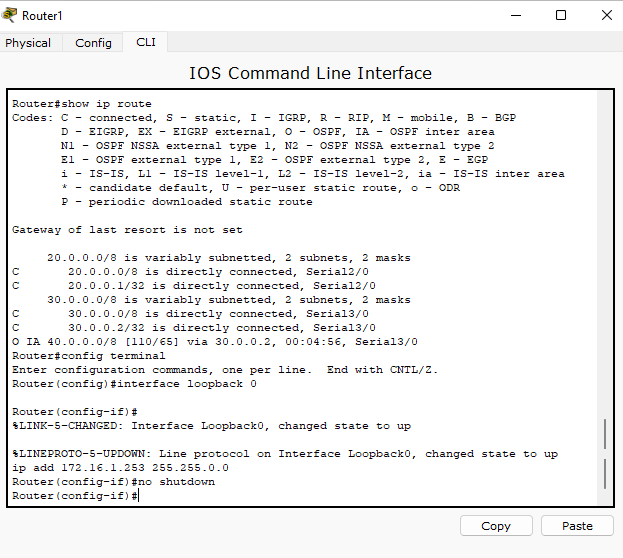


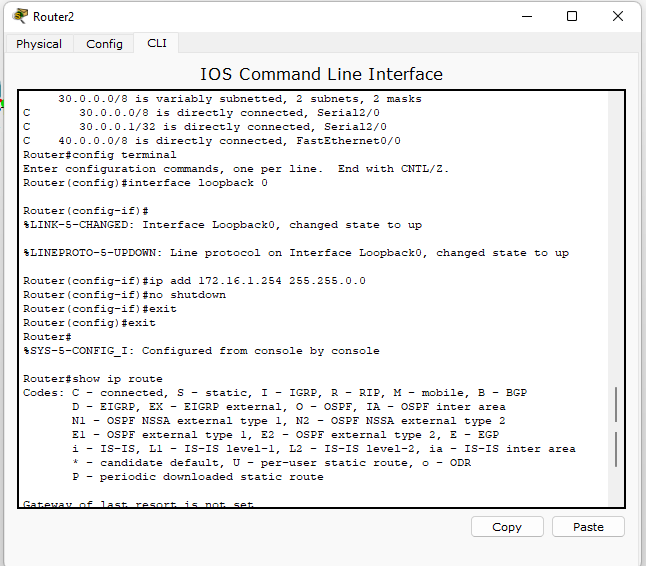
3.Show routing table for all three routers #show ip route



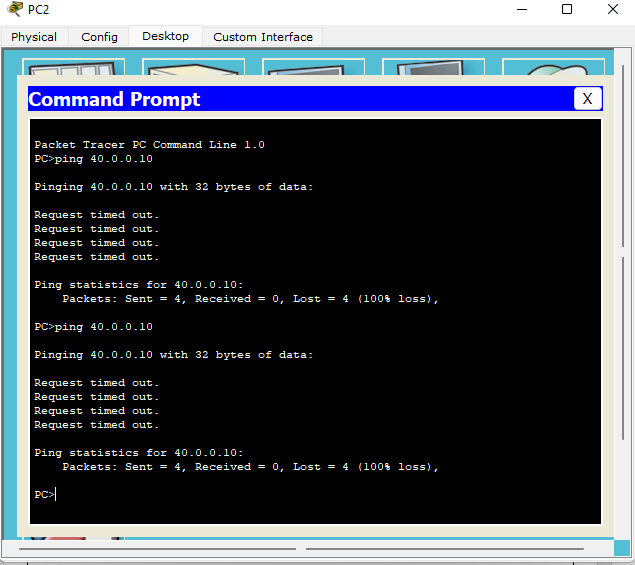
4.Ping from end device to other end device



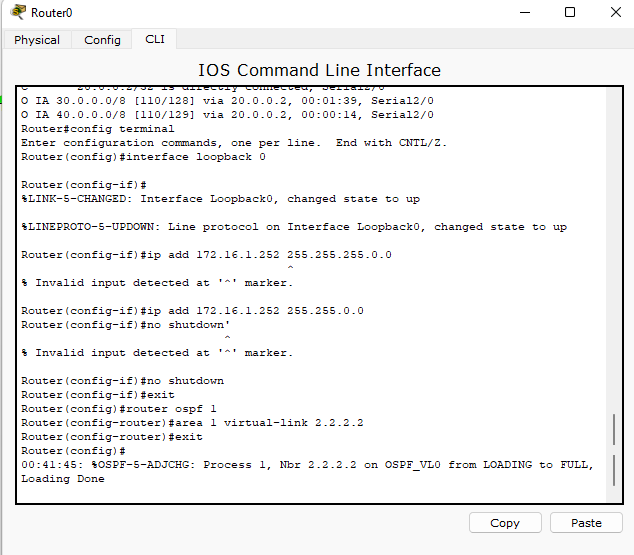
5.Create dedicated loopback interface for all the routers

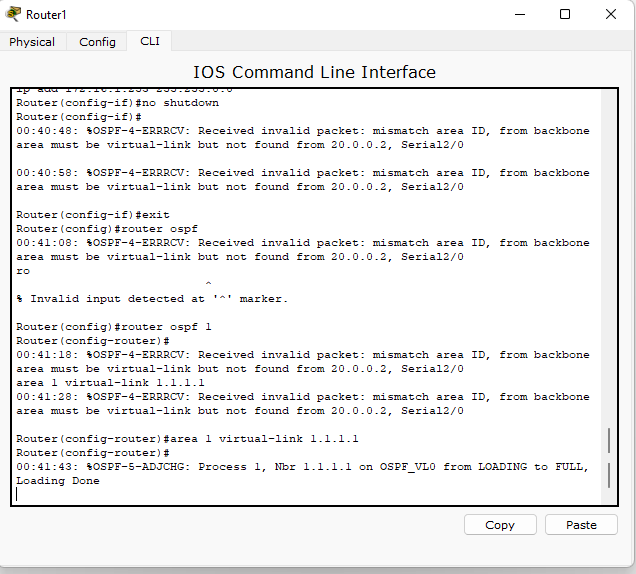


6.Ping from end device to other end device



7.Create a virtual link (CLI of first two routers) to connect area 3 to area 0.





8.Final Output(ping from 10.0.0.10 to 40.0.0.10):

