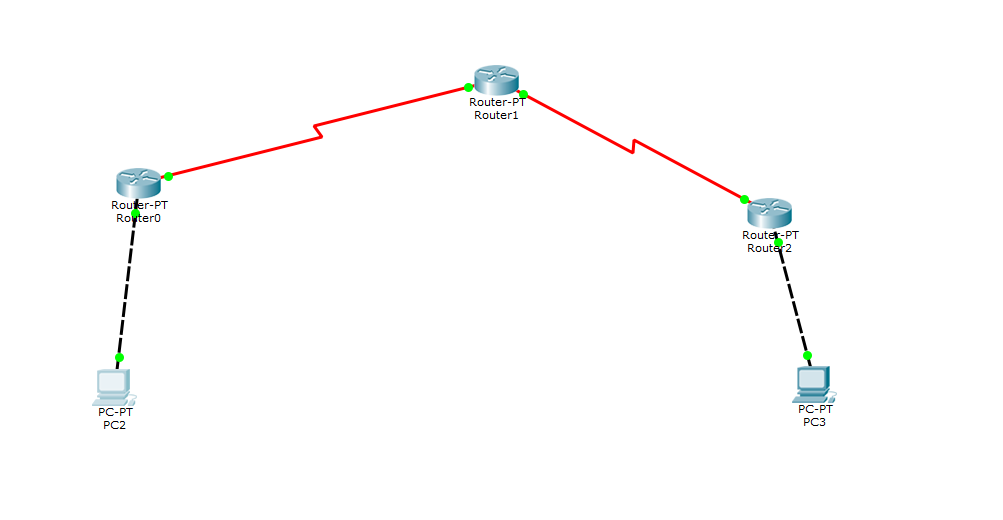
**Configure OSPF routing protocol**

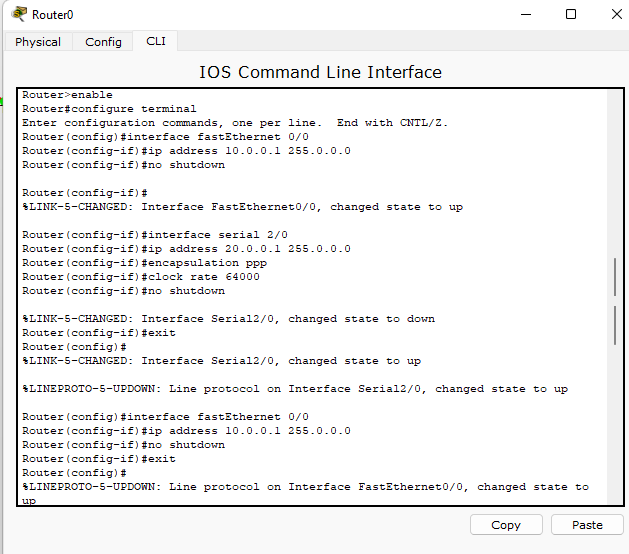
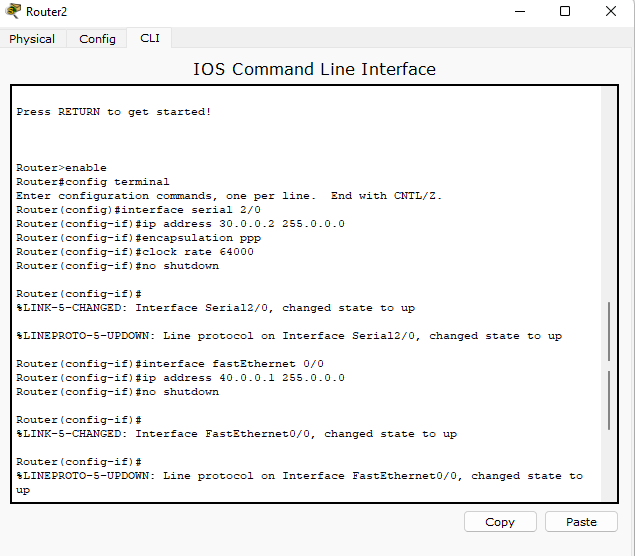
**Topology:**

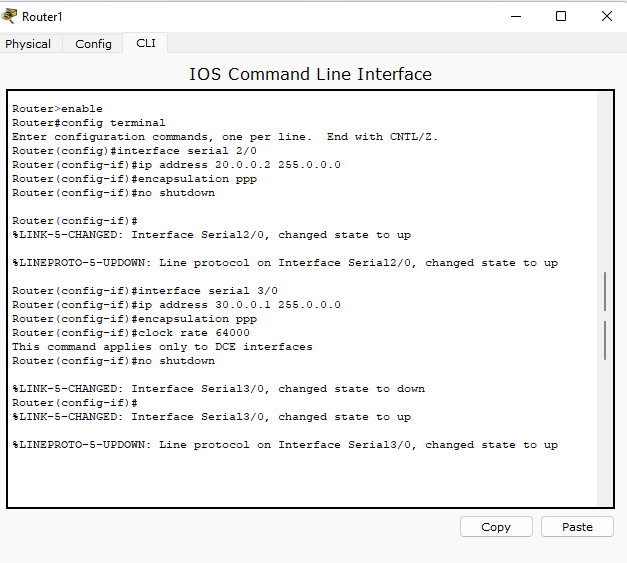


1.Configure ip addresses to all interfaces:

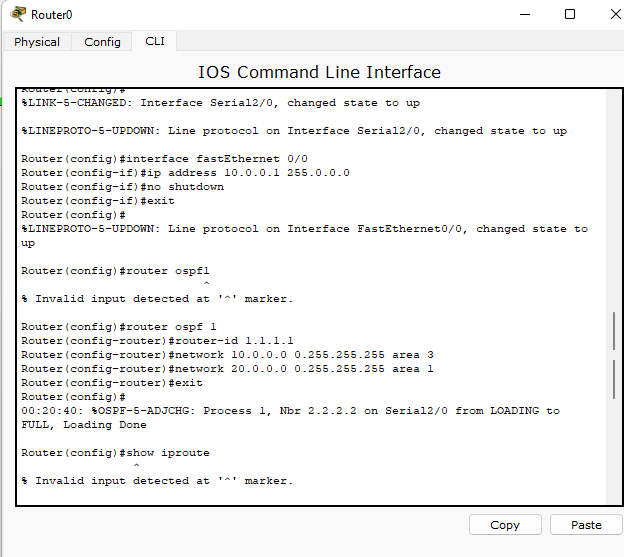
(serial-router to router, fastEthernet-router to end device)

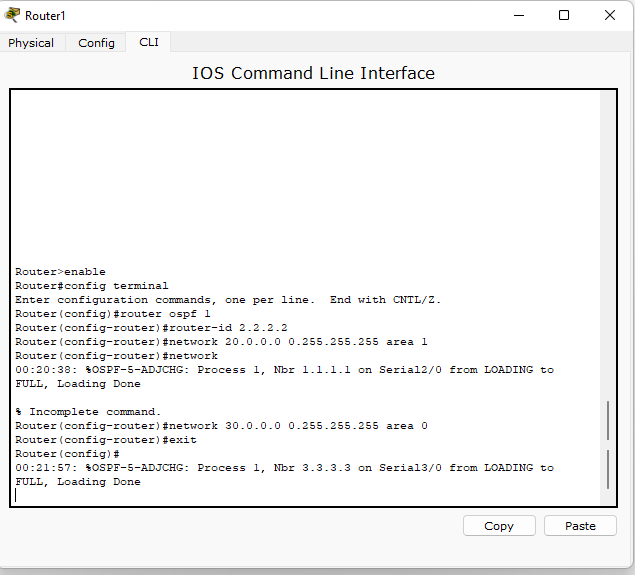
(similar to RIP exp)

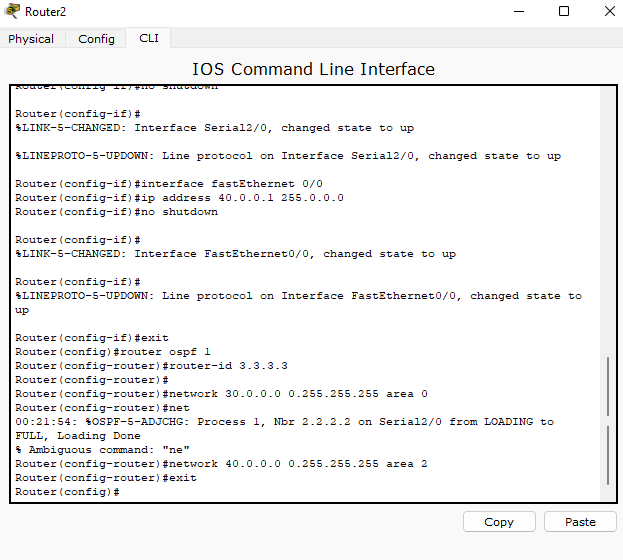


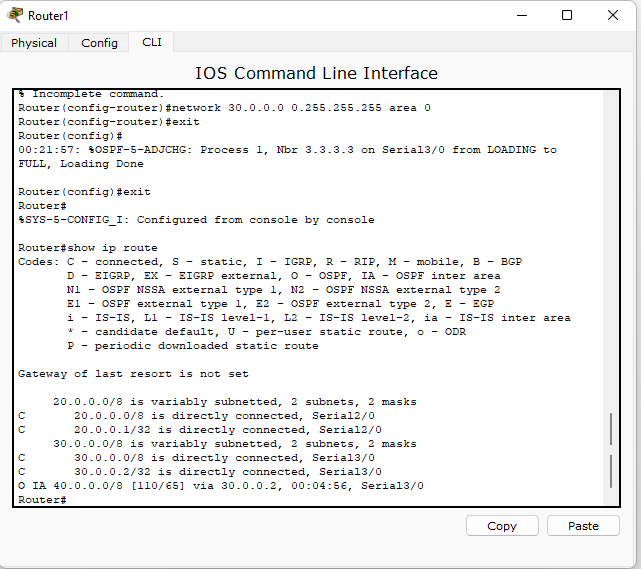


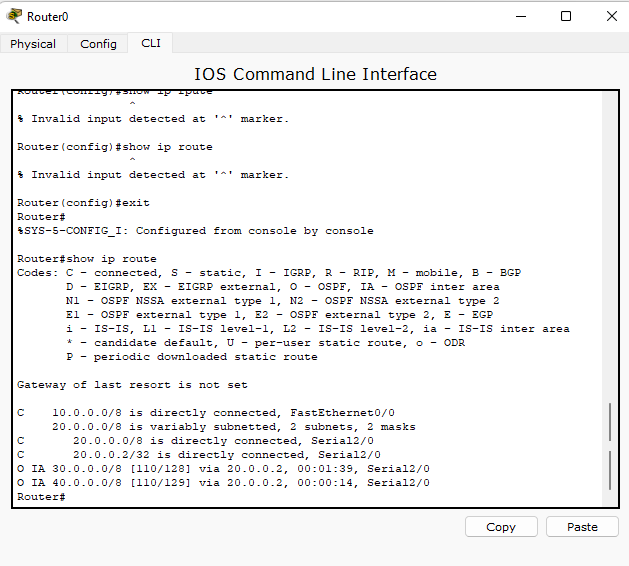
2.Enable ip routing by configuring OSPF in all routers:

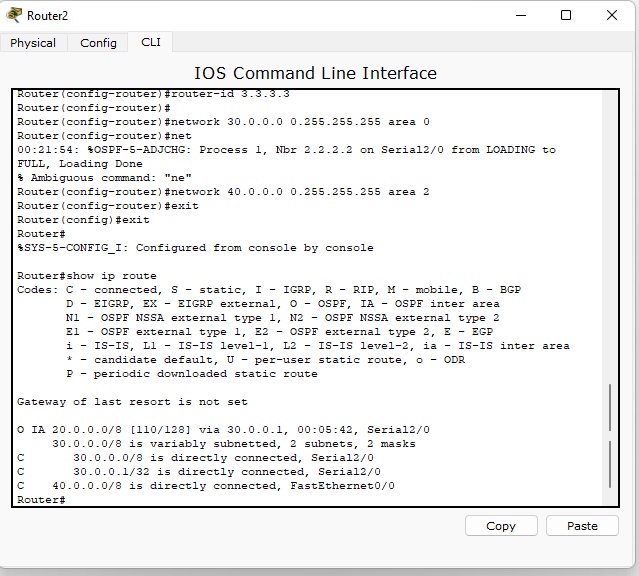




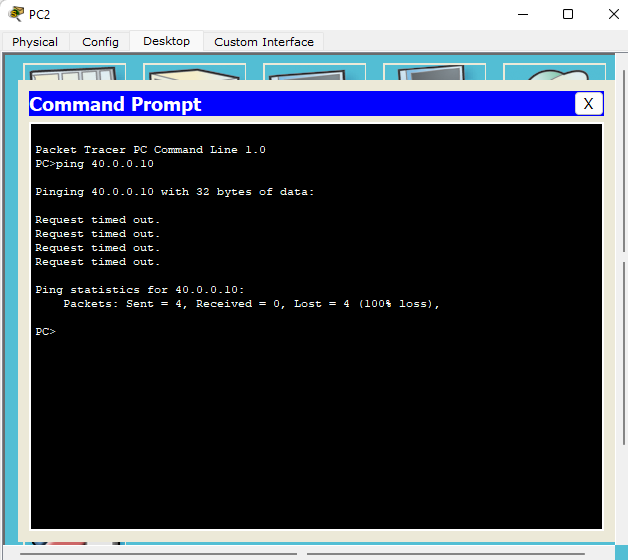


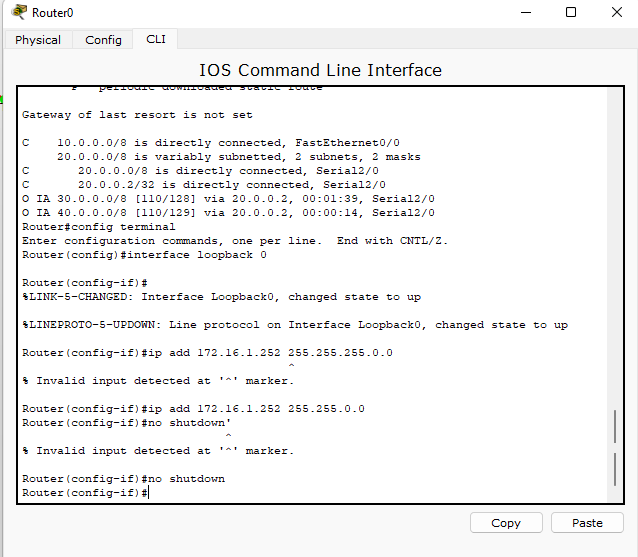
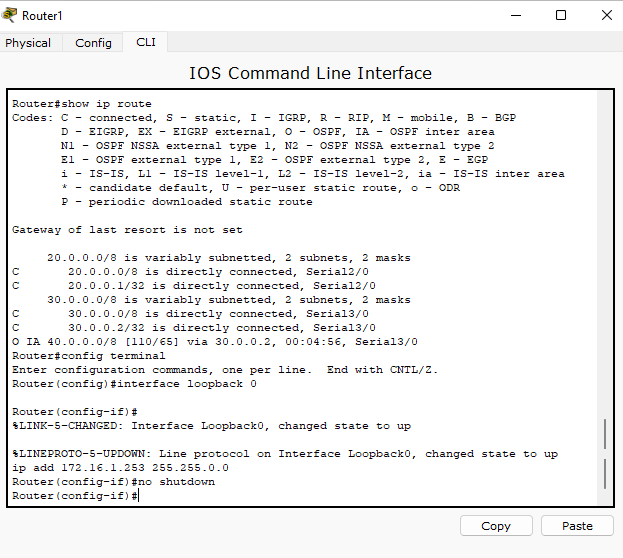
3. Show routing table for all three routers #show ip route

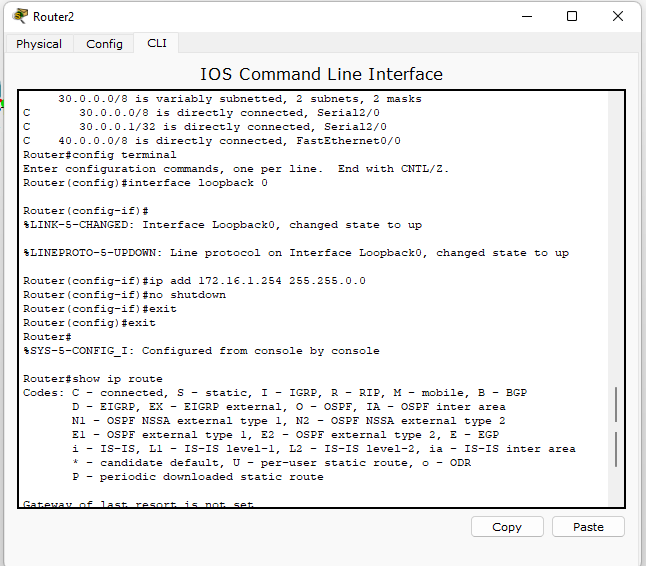




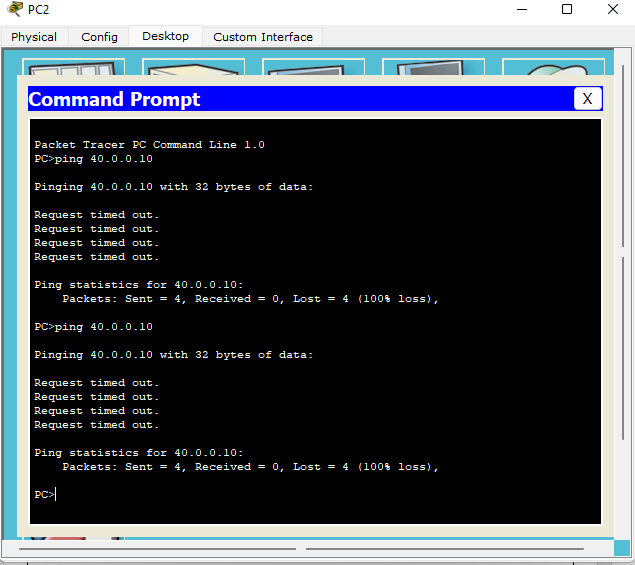
4. Ping from end device to other end device



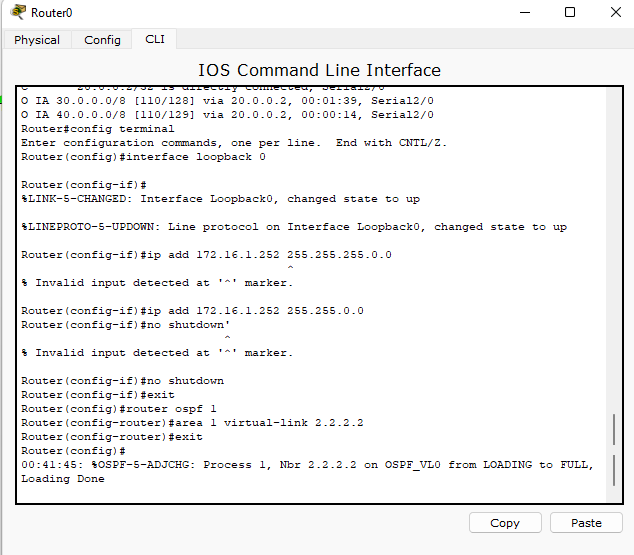
5.Create dedicated loopback interface for all the routers

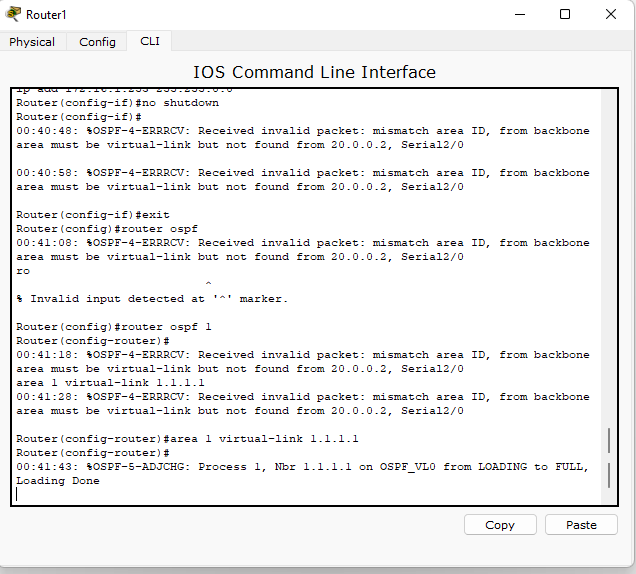


6. Ping from end device to other end device



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):

