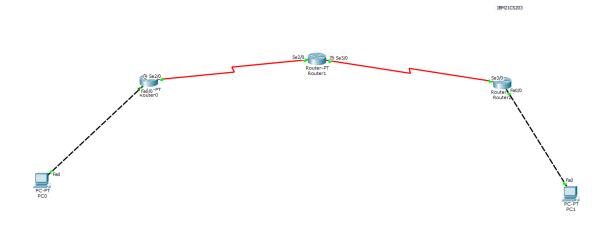
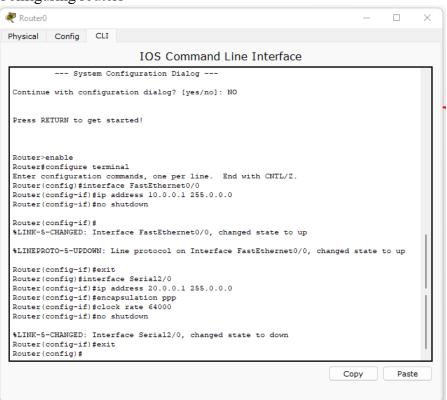
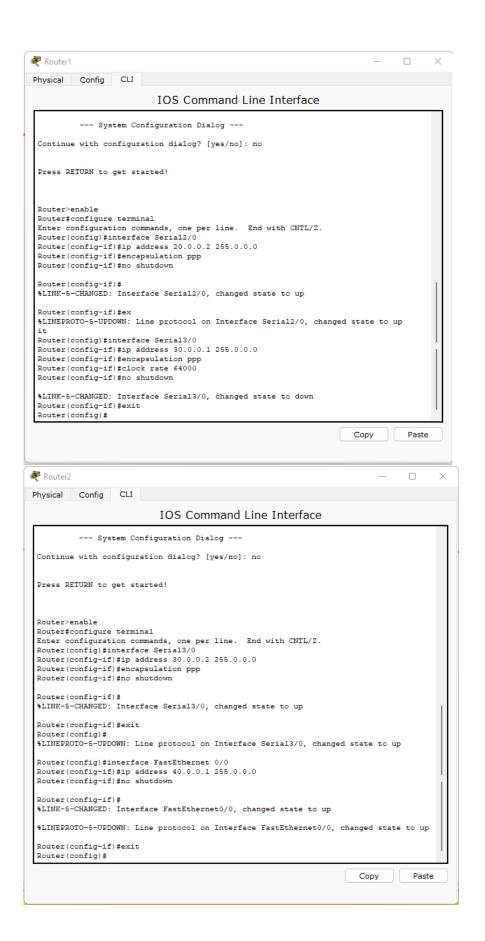
## CN LAB 6-1BM21CS203

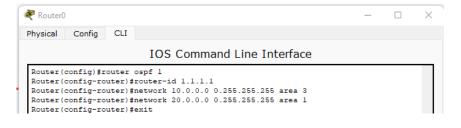
# Configuring OSPF:

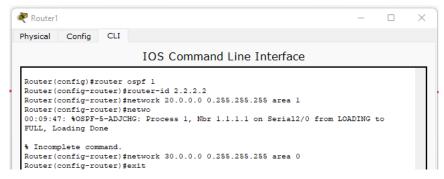


### Configuring routers





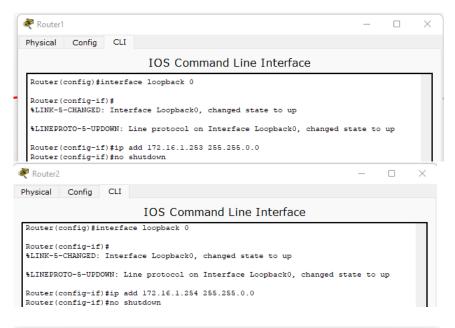


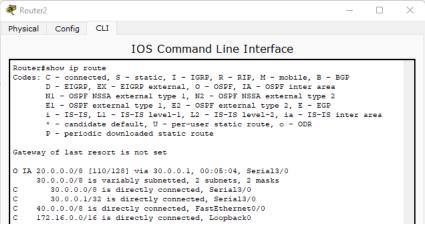


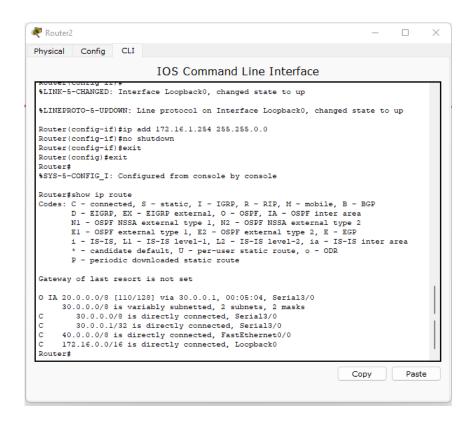








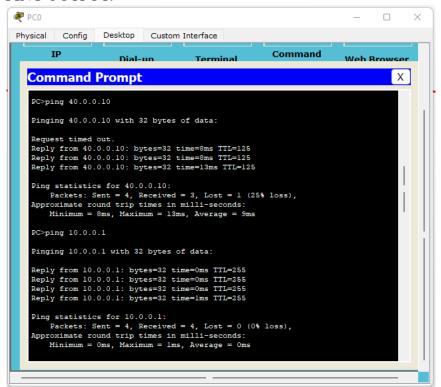








#### PING OUTPUT:



### **OUTCOME:**

Configuring OSPF protocol. The maximum number of hops rip will support is 15. Thus rip routing protocol can only be used for a maximum of 15 devices. This is where OSPF becomes advantageous. OSPF can be used to connect a lot more devices. It connects areas and each area can have n number of devices. Firstly, all the routers are configured similar to rip protocol, then ospf protocol is configured. Then a loopback address is added and a virtual link is establishes between router 1 and router 2 for area 3 to know about area 0. OSPF protocol is a classless protocol.