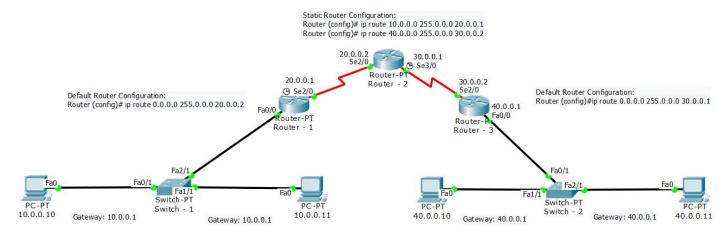
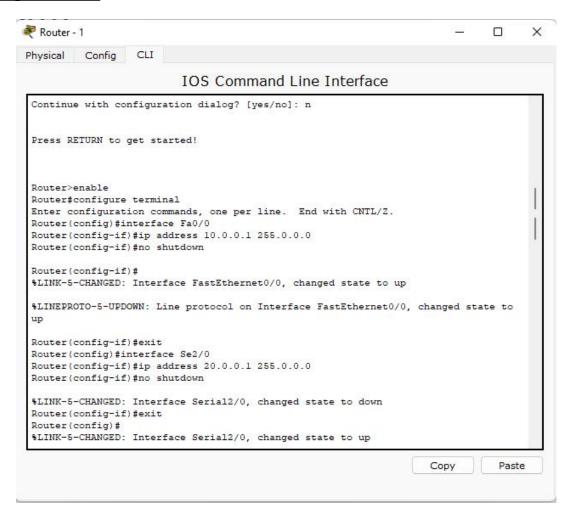
# **Experiment - 3**

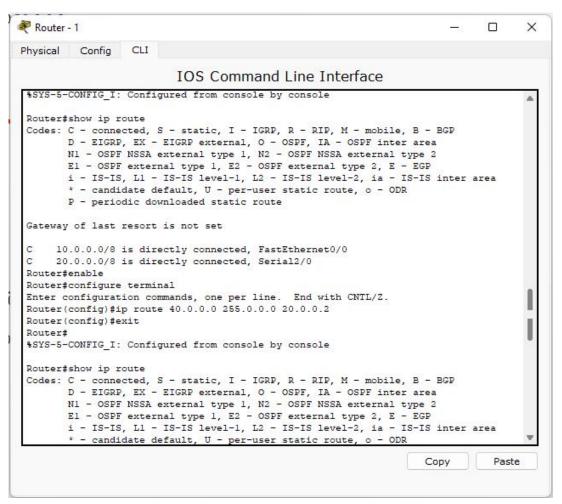
# **Topology:**

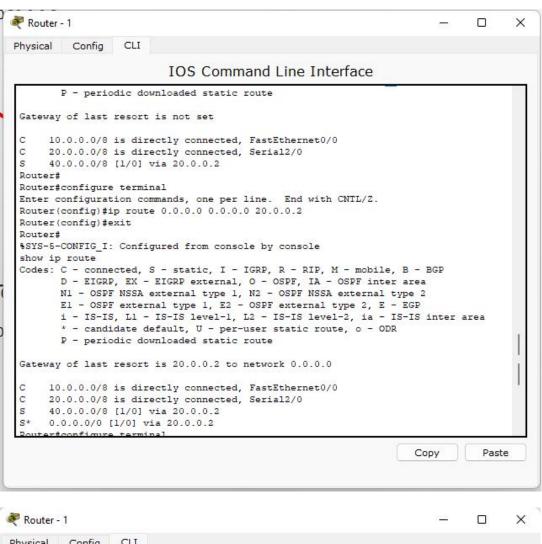


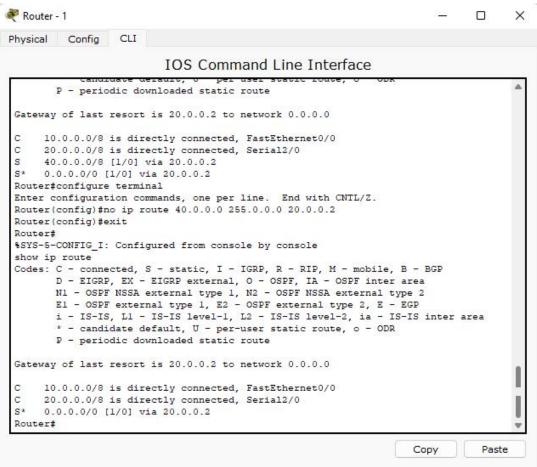
## **Configuring Router - 1:**



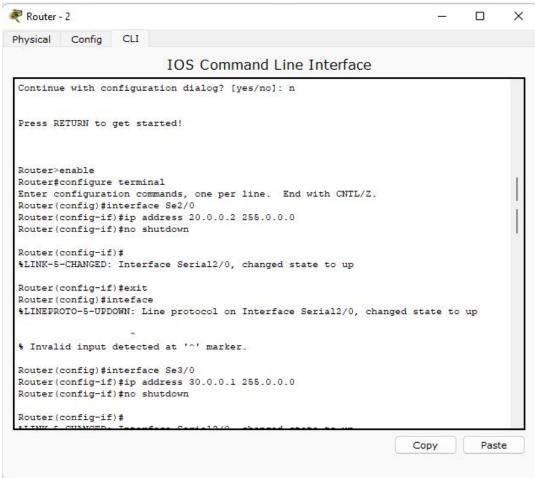
```
Router - 1
                                                                                   X
Physical Config CLI
                           IOS Command Line Interface
 %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
 Router (config) #exit
 Router#
 %SYS-5-CONFIG I: Configured from console by console
 Router#show ip route
 Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
        * - candidate default, U - per-user static route, o - ODR
        P - periodic downloaded static route
 Gateway of last resort is not set
      10.0.0.0/8 is directly connected, FastEthernet0/0
      20.0.0.0/8 is directly connected, Serial2/0
 Router#enable
 Router#configure terminal
 Enter configuration commands, one per line. End with CNTL/Z.
 Router(config) #ip route 10.0.0.1 255.0.0.0 20.0.0.2
 %Inconsistent address and mask
 Router(config) #ip route 10.0.0.1 255.0.0.0 20.0.0.1
 %Inconsistent address and mask
 Router(config) #ip route 10.0.0.0 255.0.0.0 20.0.0.2
 Router (config) #exit
 Router#
                                                                        Copy
                                                                                    Paste
```

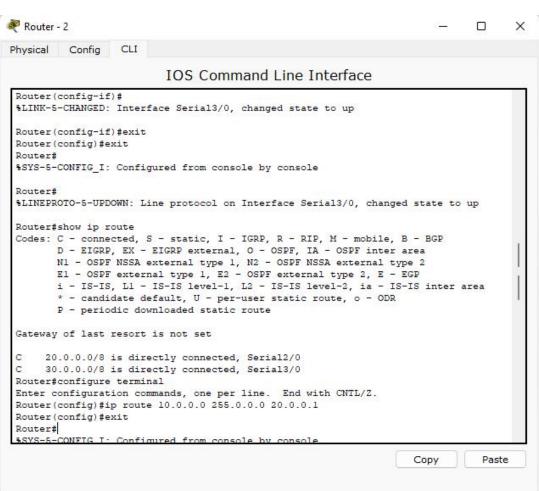


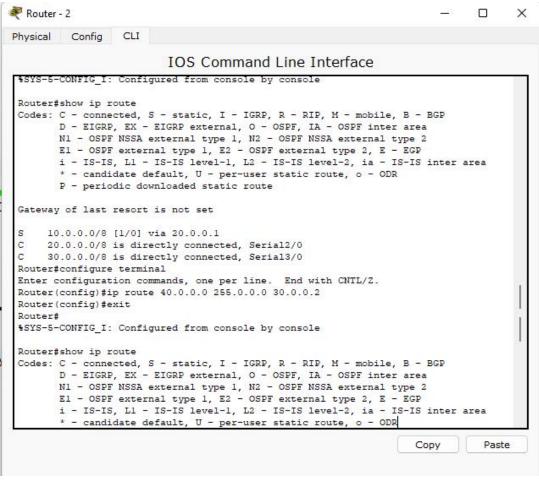


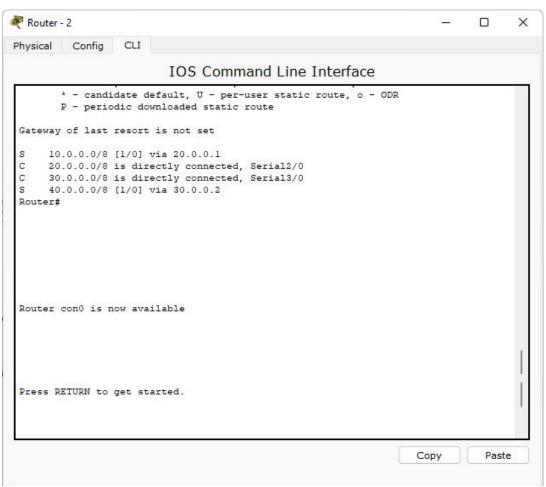


### **Configuring Router - 2:**

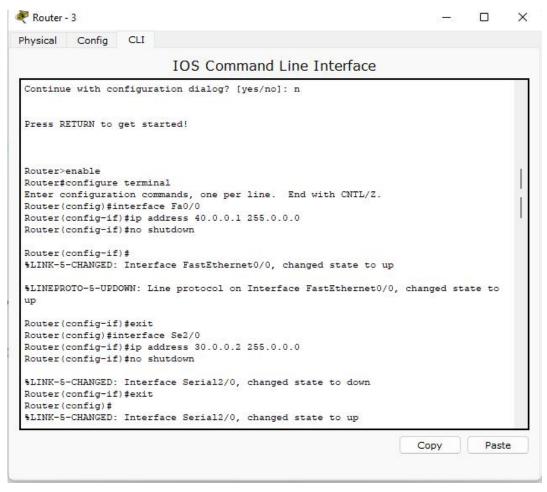


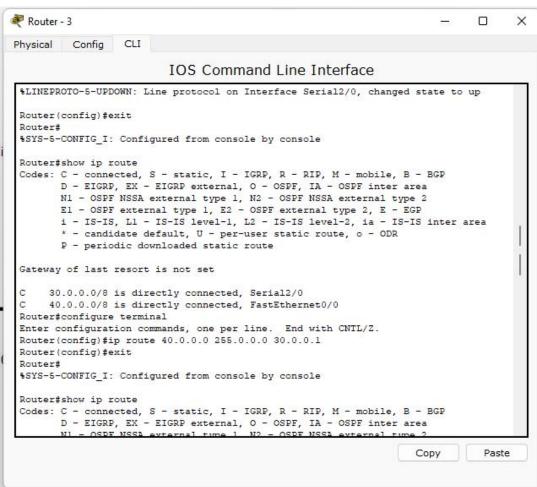


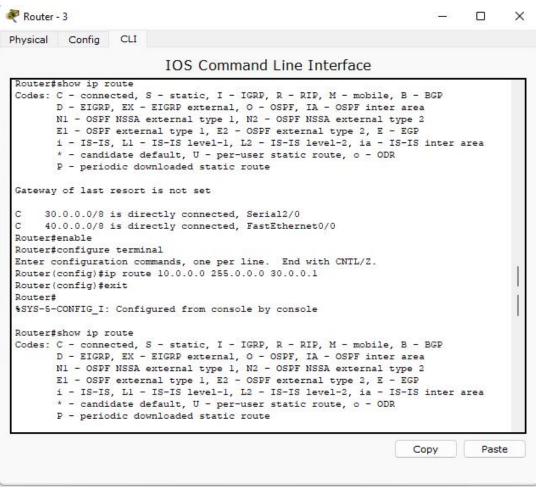


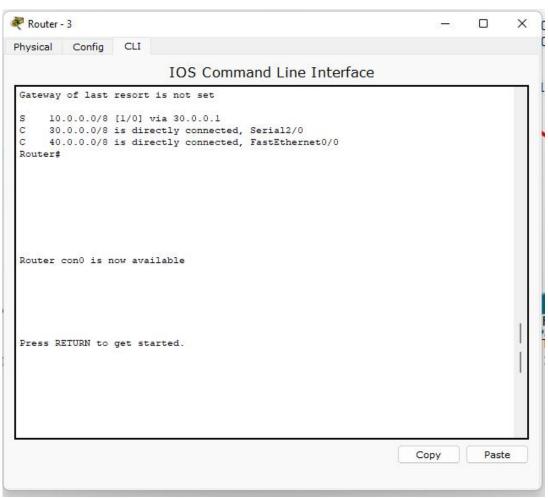


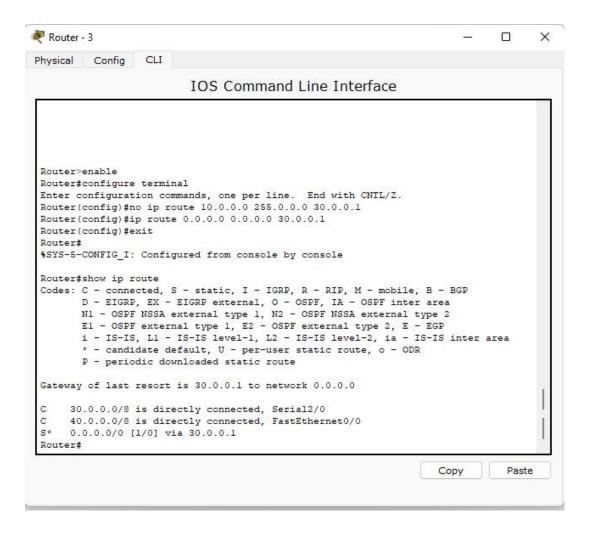
### **Configuring Router - 3:**



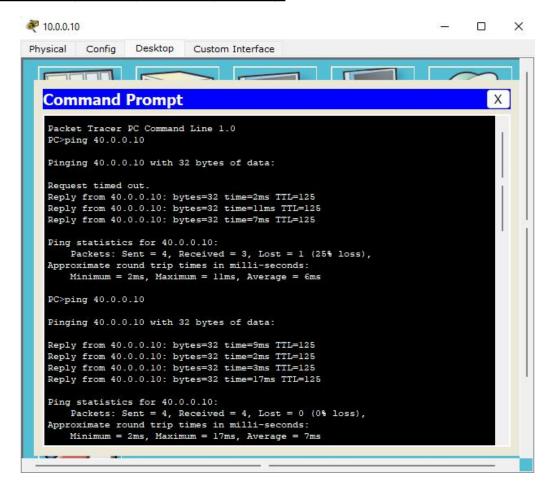








#### **Pinging from PC-PT(10.0.0.10) to PC-PT(40.0.0.10):**



#### Pinging from PC-PT(10.0.0.10) to PC-PT(40.0.0.11):

