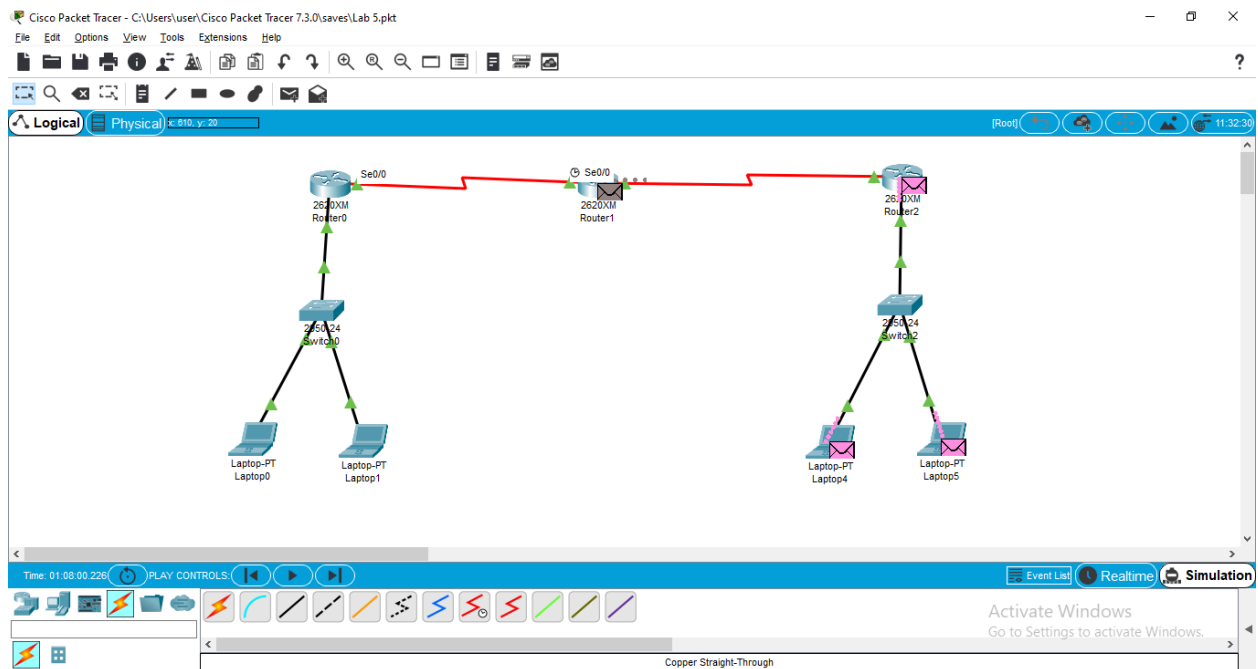
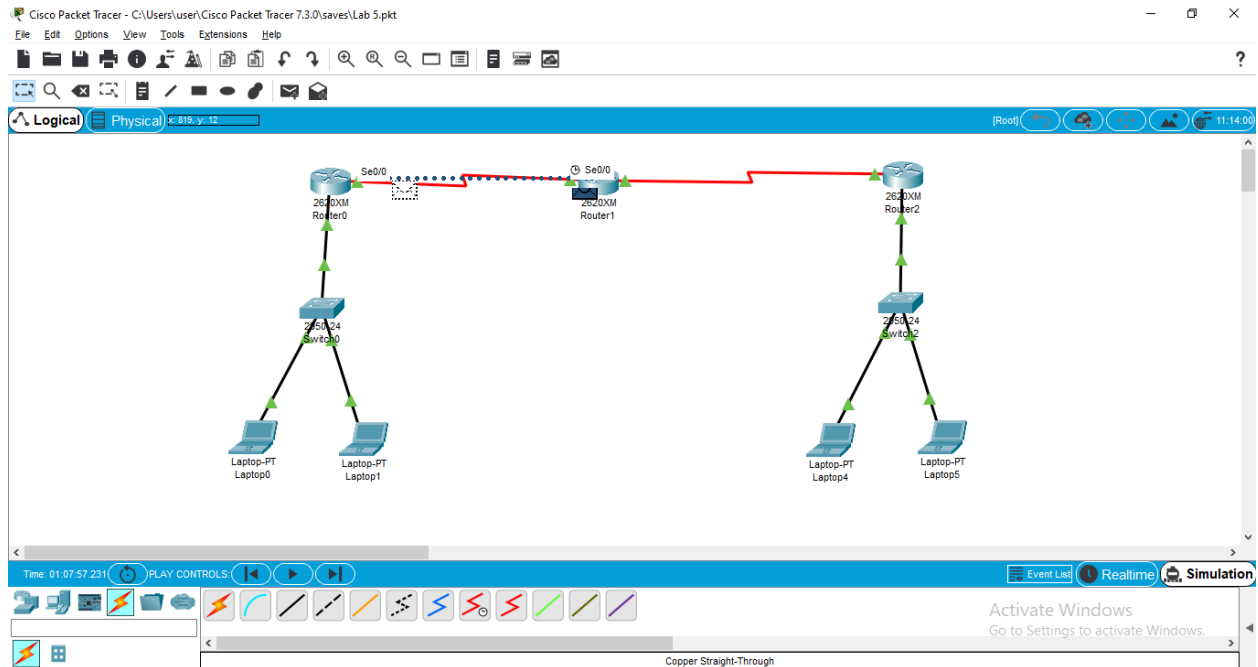
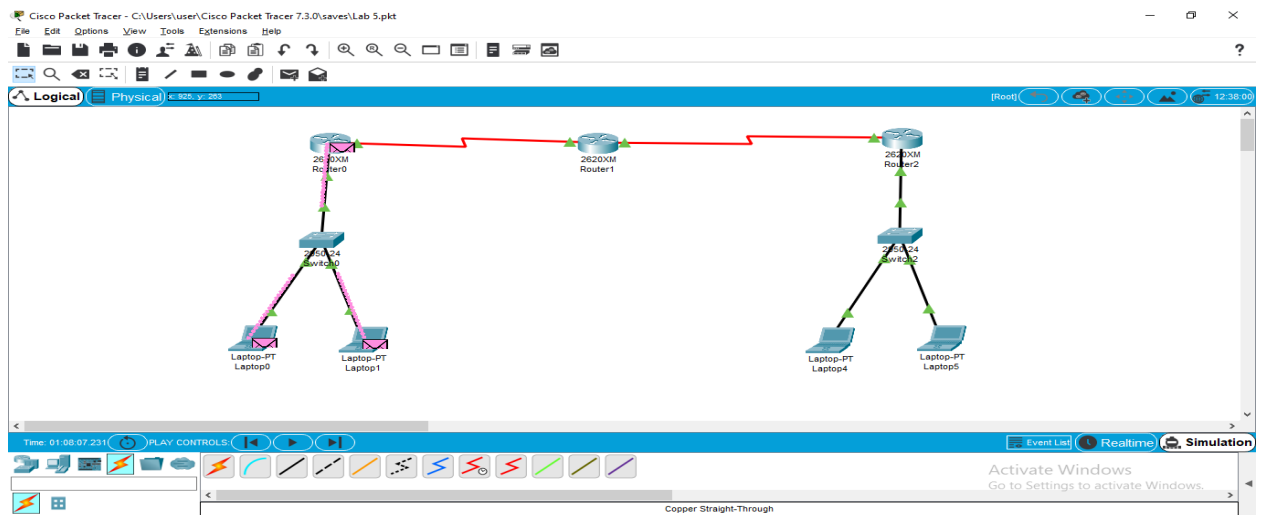
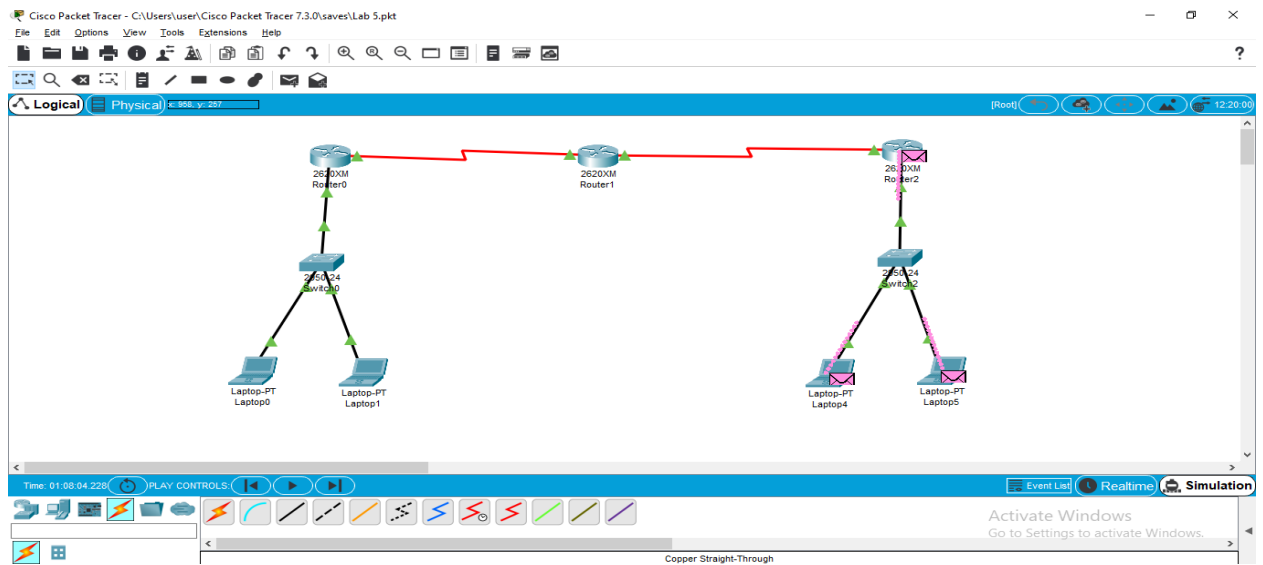
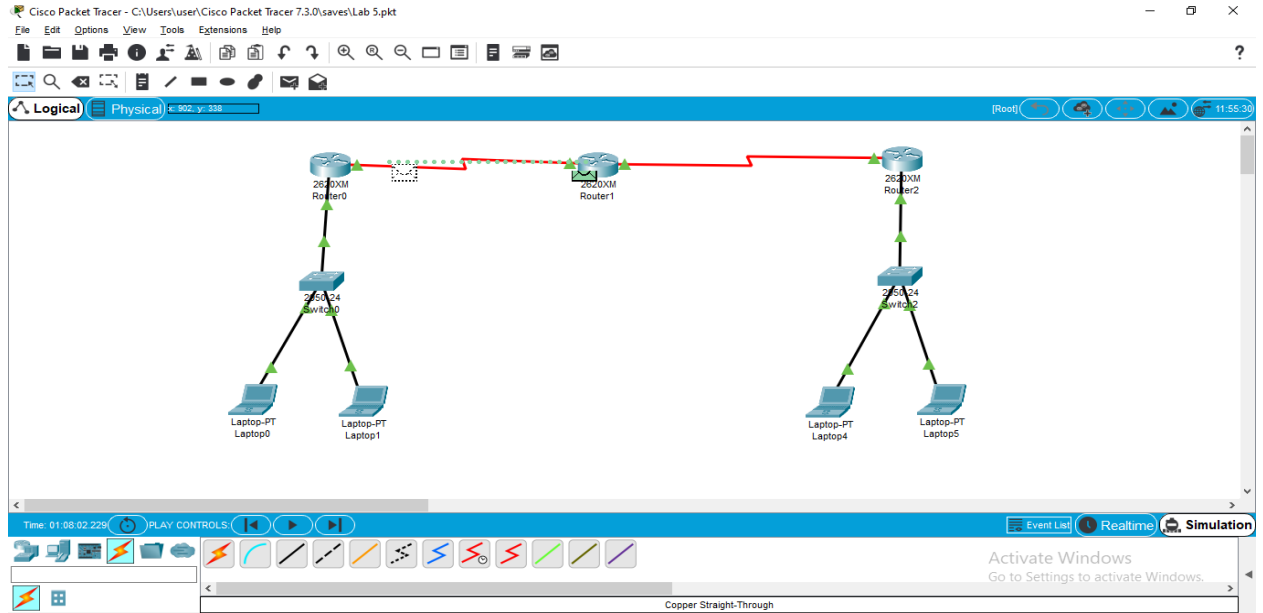
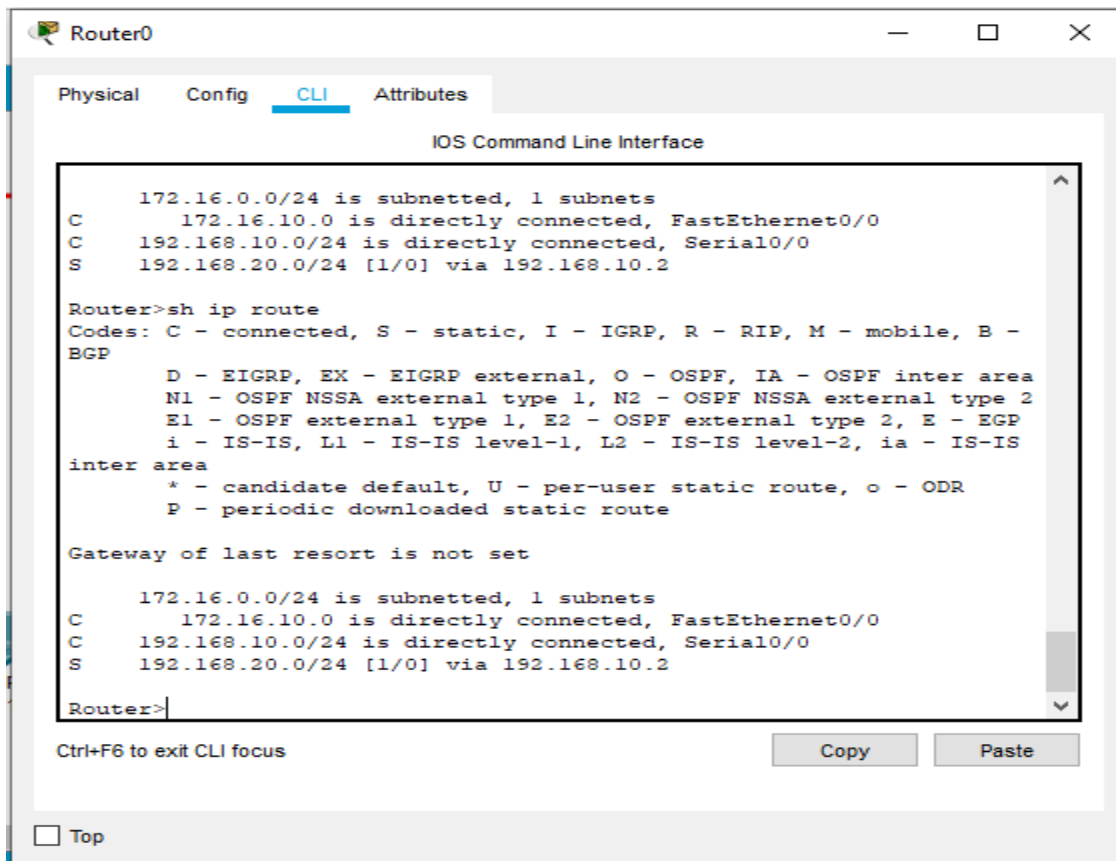
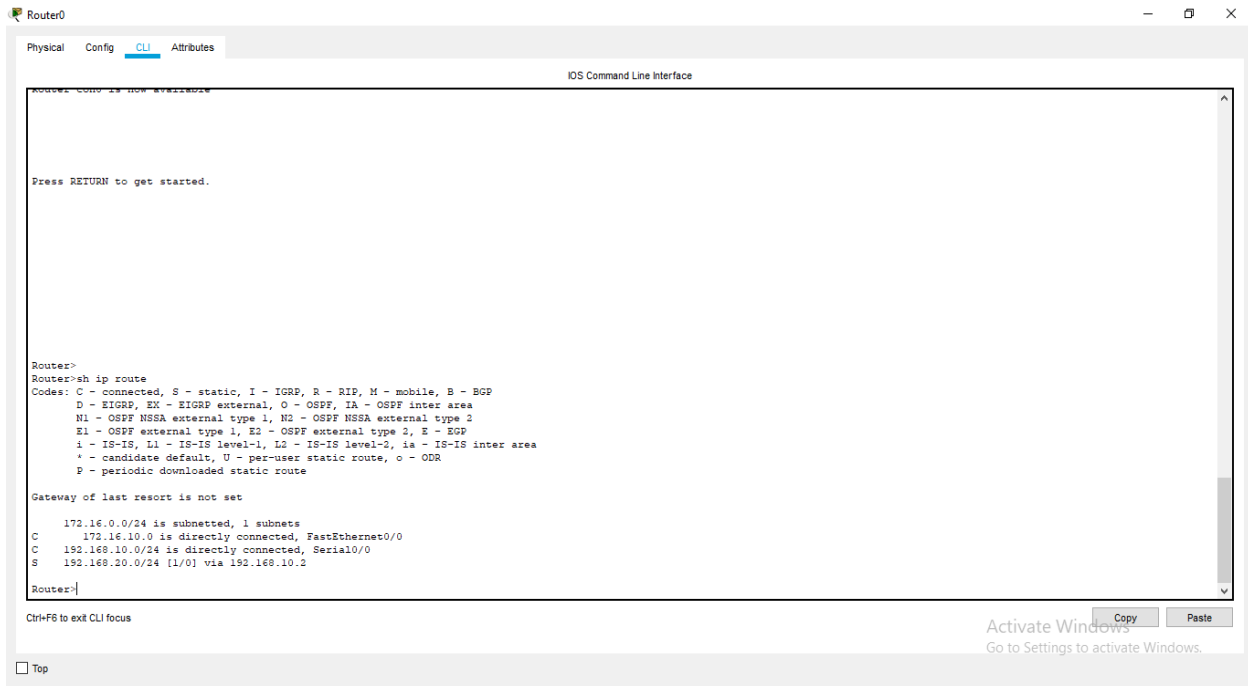


## Lab No: 4

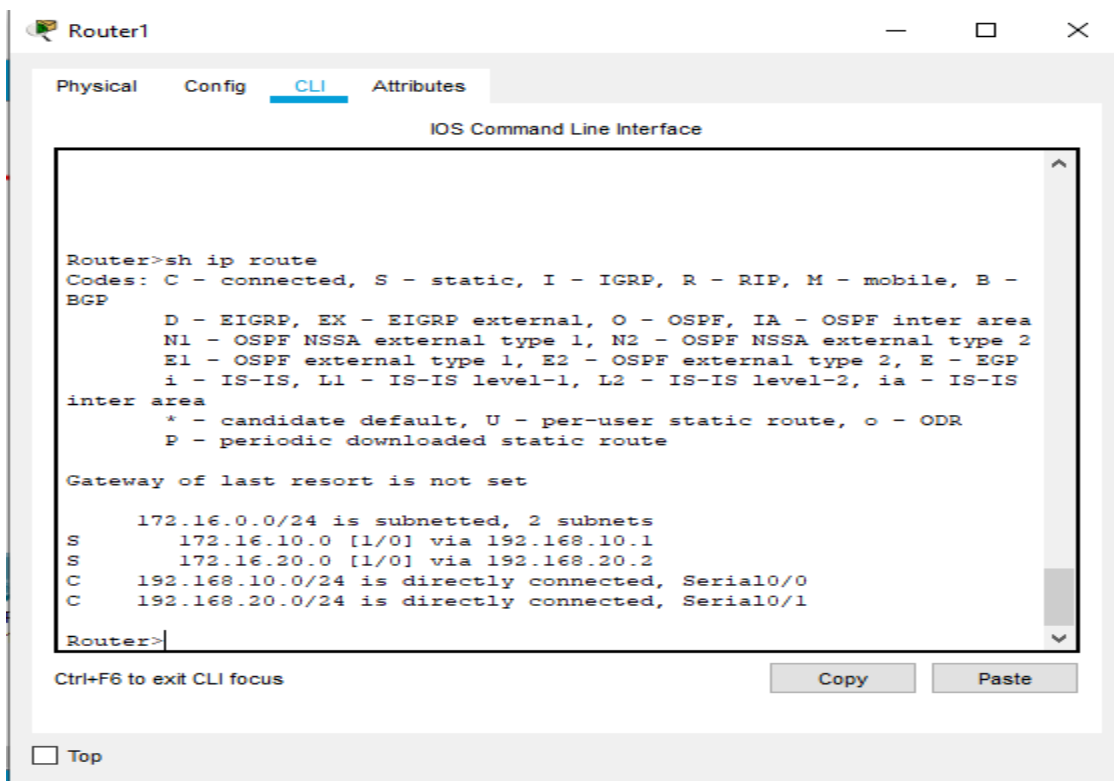
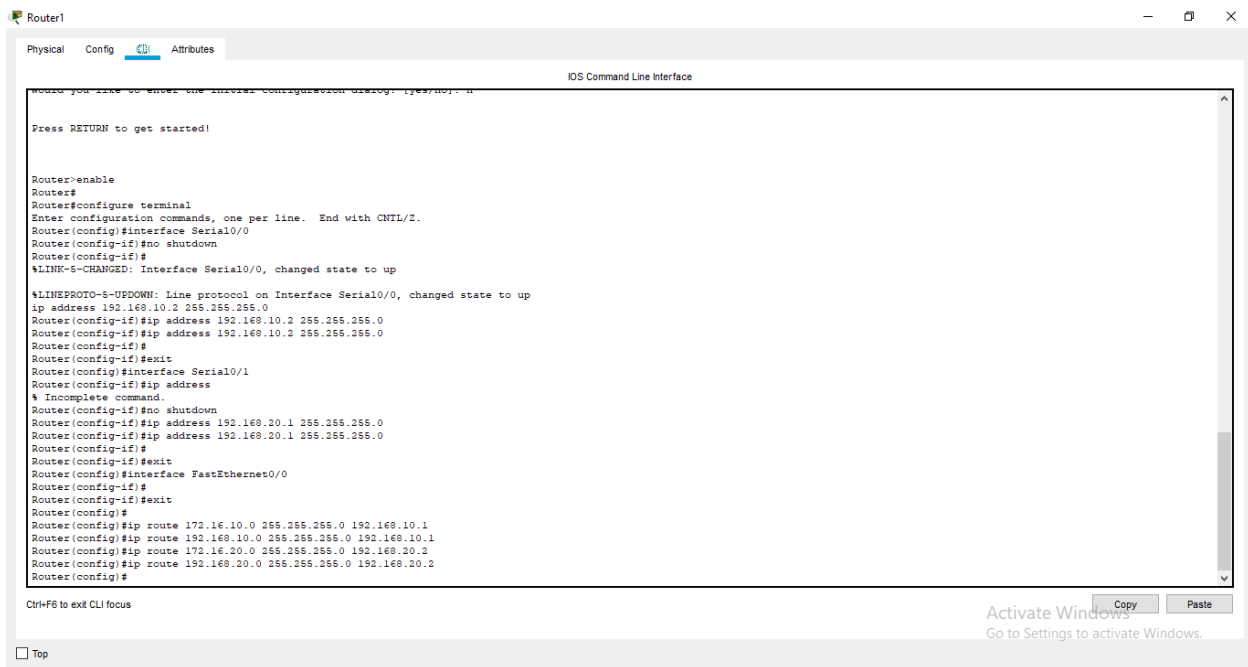




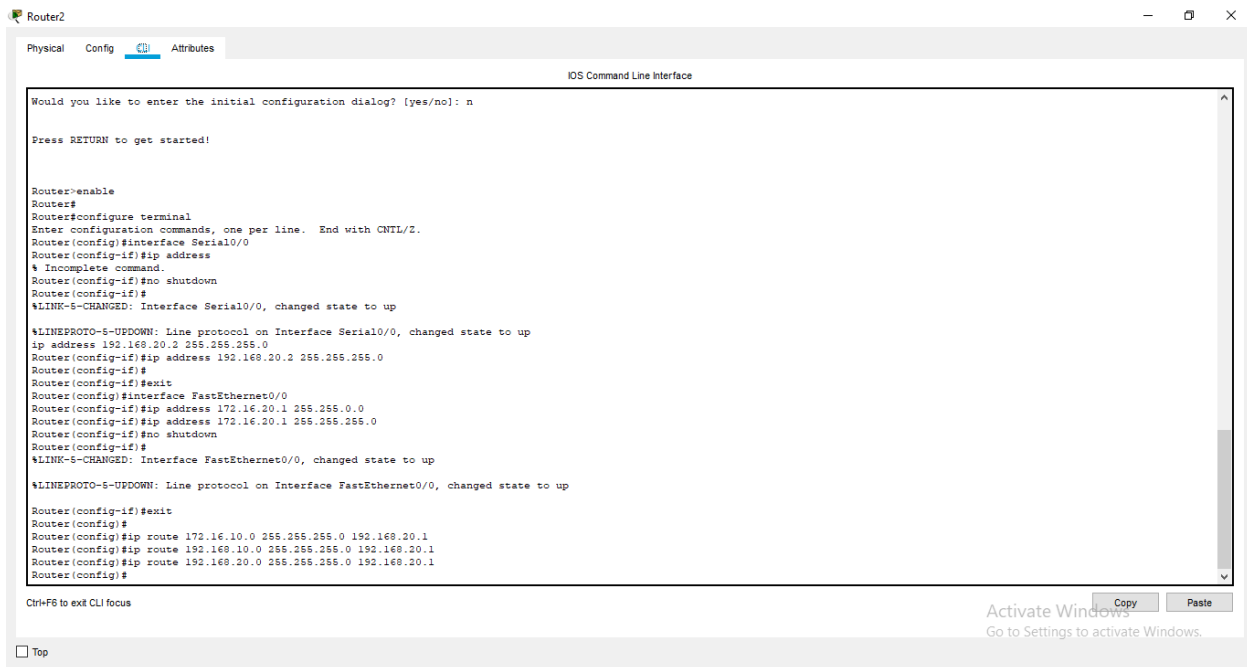
## For Router 0:



## For Router 1:



## For Router 2:



Router2

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Would you like to enter the initial configuration dialog? (yes/no): n

Press RETURN to get started!

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial0/0
Router(config-if)#ip address
% Incomplete command.
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/0, changed state to up

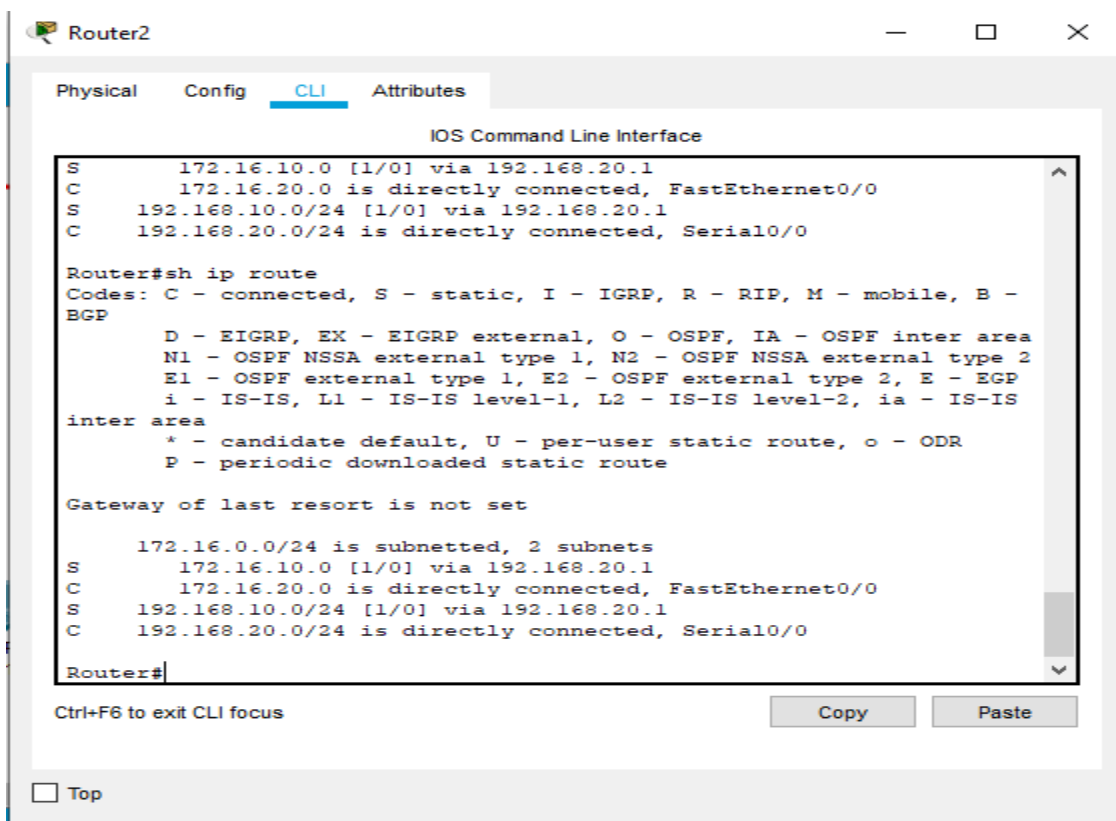
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up
ip address 192.168.20.2 255.255.255.0
Router(config-if)#ip address 192.168.20.2 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 172.16.20.1 255.255.0.0
Router(config-if)#ip address 172.16.20.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#
Router(config)#ip route 172.16.10.0 255.255.255.0 192.168.20.1
Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.20.1
Router(config)#ip route 192.168.20.0 255.255.255.0 192.168.20.1
Router(config)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Activate Windows  
Go to Settings to activate Windows.



Router2

Physical Config **CLI** Attributes

IOS Command Line Interface

```
S      172.16.10.0 [1/0] via 192.168.20.1
C      172.16.20.0 is directly connected, FastEthernet0/0
S      192.168.10.0/24 [1/0] via 192.168.20.1
C      192.168.20.0/24 is directly connected, Serial0/0

Router#sh 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

      172.16.0.0/24 is subnetted, 2 subnets
S      172.16.10.0 [1/0] via 192.168.20.1
C      172.16.20.0 is directly connected, FastEthernet0/0
S      192.168.10.0/24 [1/0] via 192.168.20.1
C      192.168.20.0/24 is directly connected, Serial0/0

Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste