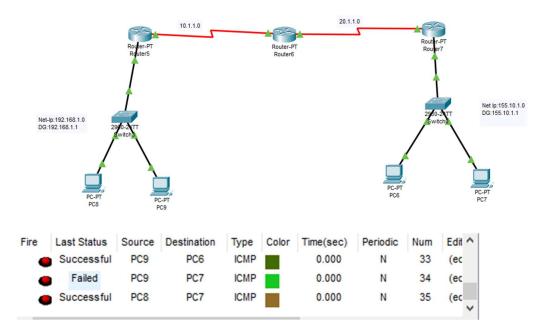
CN Practical

Shakeeb Shaikh

TCS2526068

Practical 9B:

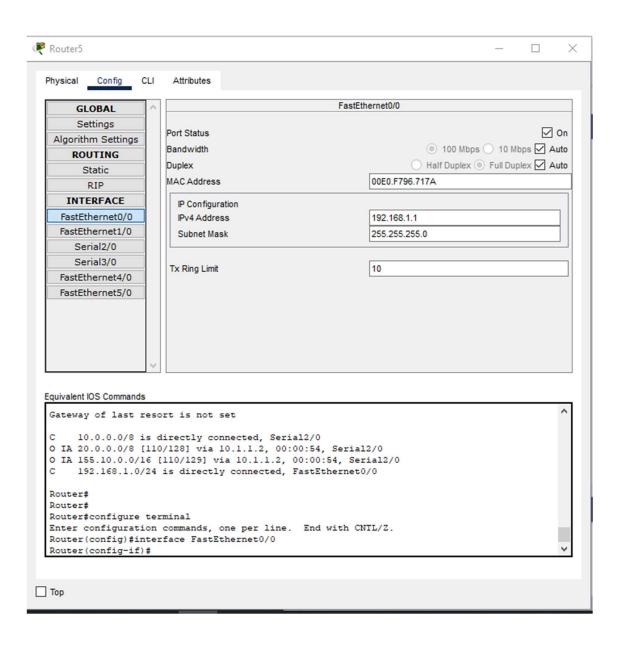
Aim:

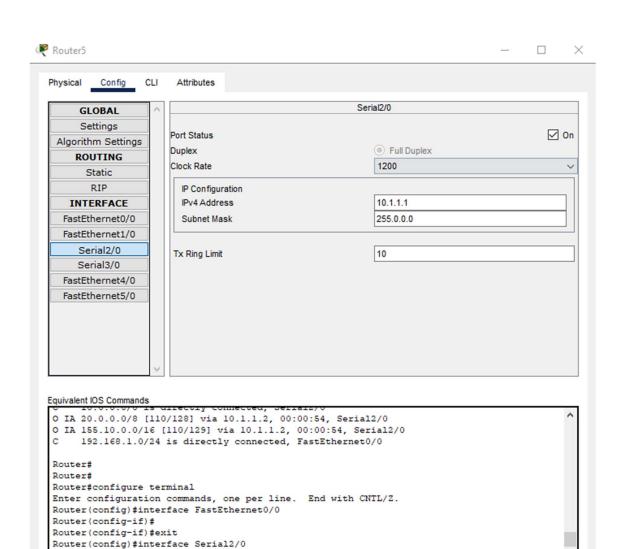


Set up the ip address of the pc and the Go for router

Router Configuration:

Router 5





Router(config-if)#

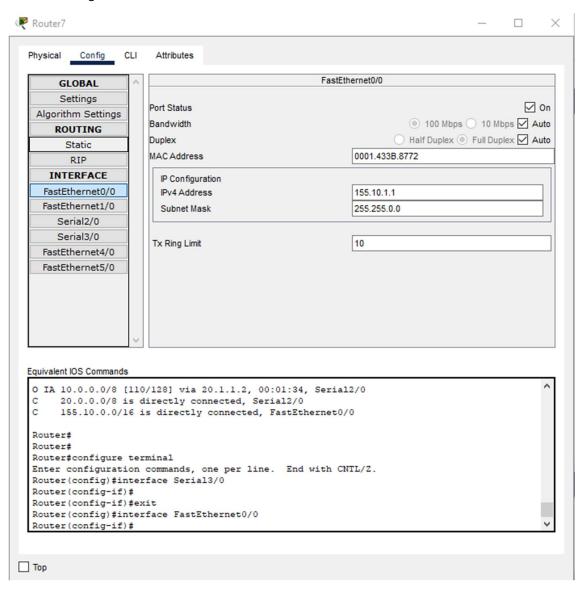
Тор

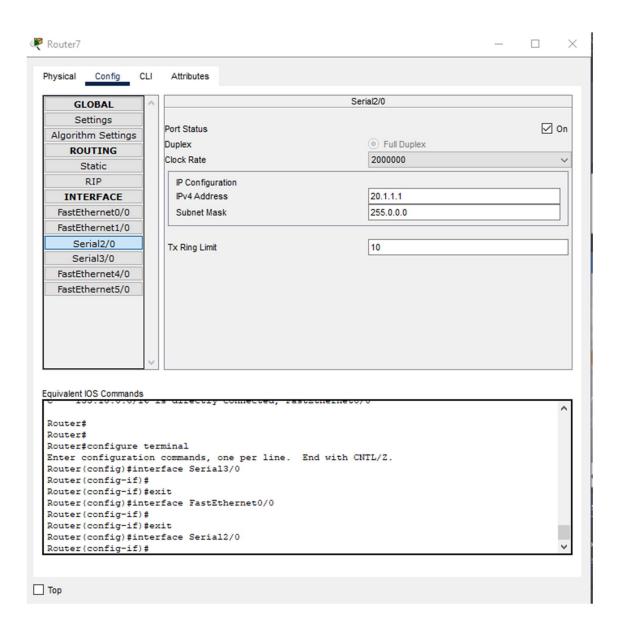
```
Router>EN
Router#conf t
Enter configuration commands, one per line. End with CNTL/2.
Router(config) #router ospf
% Incomplete command.
Router(config) #router ospf.
% Invalid input detected at '^' marker.
Router(config) #router ospf 0
% Invalid input detected at '^' marker.
Router(config) #router ospf 1
Router(config-router) #network 10.1.1.0 0.255.255.255 area 0
Router(config-router) #
00:24:18: %OSPF-5-ADJCHG: Process 1, Nbr 20.1.1.2 on Serial2/0 from LOADING to FULL,
Loading Done
Router(config-router) #network 192.168.1.0 0.0.255.255 area 0
Router(config-router) #exit
Router (config) #exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#write
Building configuration...
[OK]
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
```

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```
Router#write
Building configuration ...
[OK]
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
    10.0.0.0/8 is directly connected, Serial2/0
O IA 20.0.0.0/8 [110/128] via 10.1.1.2, 00:00:54, Serial2/0
O IA 155.10.0.0/16 [110/129] via 10.1.1.2, 00:00:54, Serial2/0
    192.168.1.0/24 is directly connected, FastEthernet0/0
Router#
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #interface FastEthernet0/0
Router(config-if)#
Router(config-if) #exit
Router(config) #interface Serial2/0
Router(config-if)#
```

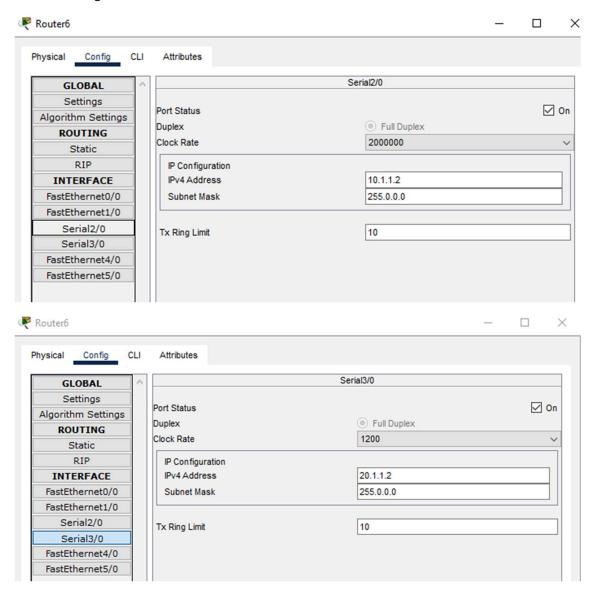
Router 7 configuration:





Physical Config CLI Attributes IOS Command Line Interface Router>EN Router#conf t Enter configuration commands, one per line. End with CNTL/Z. Router(config) #router ospf 1 Router(config-router) #network 20.1.1.0 0.255.255.255 area 1 Router(config-router) #network 155.10.1.0 0.0.255.255 area 1 Router(config-router) # 00:21:12: %OSPF-5-ADJCHG: Process 1, Nbr 20.1.1.2 on Serial2/0 from LOADING to FULL, Loading Done Router(config-router) #exit Router (config) #exit Router# %SYS-5-CONFIG_I: Configured from console by console Router#write Building configuration... [OK] 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 O IA 10.0.0.0/8 [110/128] via 20.1.1.2, 00:01:34, Serial2/0 20.0.0.0/8 is directly connected, Serial2/0 155.10.0.0/16 is directly connected, FastEthernet0/0 Router# Router# Router#configure terminal one per line Сору Paste Тор

Router 6 configuration:





Config CLI Attributes IOS Command Line Interface Router>EN Router# conf t Enter configuration commands, one per line. End with CNTL/Z. Router(config) #router ospf 1 Router(config-router) #network 10.1.1.0 0.255.255.255 area 0 Router(config-router) #network 20.1.1.0 0.255.255.255 area 1 Router(config-router) #exit Router(config)# 00:21:13: %OSPF-5-ADJCHG: Process 1, Nbr 155.10.1.1 on Serial3/0 from LOADING to FULL, Loading Done write % Invalid input detected at '^' marker. Router (config) #exit Router# %SYS-5-CONFIG_I: Configured from console by console write Building configuration... [OK] 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 10.0.0.0/8 is directly connected, Serial2/0 20.0.0.0/8 is directly connected, Serial3/0 155.10.0.0/16 [110/65] via 20.1.1.1, 00:01:49, Serial3/0 0 Router# Copy Paste Тор