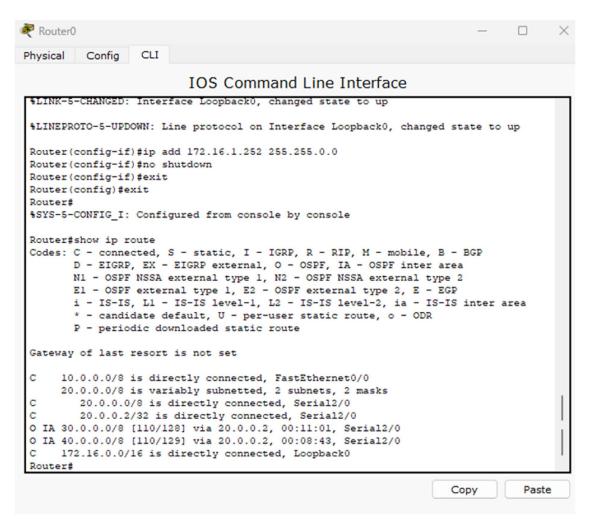
WEEK-6

LAB OBSERVATION

Name: Shashank M Patil

USN: 1BM21CS200



```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #router ospf 1
Router(config-router) #router id 1.1.1.1
% Invalid input detected at '^' marker.
Router(config-router) #router-id 1.1.1.1
Router(config-router) #10.0.0.0 0.255.255.255 area 3
% Invalid input detected at '^' marker.
Router(config-router) #network 10.0.0.0 0.255.255.255 area 3
Router(config-router) #network 20.0.0.0 0.255.255.255 area 1
Router(config-router) #exit
Router(config) #
00:34:12: %OSPF-5-ADJCHG: Process 1, Nbr 2.2.2.2 on Serial2/0 from LOADING to FULL, Loading Done
Router(config) #interface loopback 0
Router(config-if)#
%LINK-5-CHANGED: Interface LoopbackO, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
Router(config-if) #ip add 172.16.1.252 255.255.0.0
Router(config-if) #no shutdown
Router(config-if) #exit
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 variably subnetted, 2 subnets, 2 masks
       20.0.0.0/8 is directly connected, Serial2/0
       20.0.0.2/32 is directly connected, Serial2/0
O IA 30.0.0.0/8 [110/128] via 20.0.0.2, 00:11:01, Serial2/0
O IA 40.0.0.0/8 [110/129] via 20.0.0.2, 00:08:43, Serial2/0
    172.16.0.0/16 is directly connected, Loopback0
Router#cogigure terminal
% Invalid input detected at '^' marker.
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #router ospf 1
Router(config-router) #area 1 virtual-link 2.2.2.2
Router(config-router) #
00:51:13: %OSPF-5-ADJCHG: Process 1, Nbr 2.2.2.2 on OSPF_VLO from LOADING to FULL, Loading Done
```

```
IOS Command Line Interface
Routersconfigure terminal Enter configuration commands, one per line. End with CNTL/Z. Router(config)*router ospf 1 Router(config-router)*router id 2.2.2.2
% Invalid input detected at '^' marker.
Router(config-router) #router-id 2.2.2.2
Router(config-router) #router-id 2.2.2.2
Router(config-router) #network 20.0.0.0 0.255.255.255 area 1
Router(config-router) #network 20.0.0.0 0.255.255.255 area 1
00:34:09: %0SPF-5-ADUCHG: Process 1, Nbr 1.1.1.1 on Serial2/
Router(config-router) #network 30.0.0.0 0.255.255.255 area 0
Router(config-router) #exit
 Router (config) #
 00:36:54: %OSPF-5-ADJCHG: Process 1, Nbr 3.3.3.3 on Serial3/0 from LOADING to FULL, Loading Done
 Router(config) #interface loopback 0
Router(config-if) # %LINK-5-CHANGED: Interface Loopback0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface LoopbackO, changed state to up
Router(config-if) #ip add 172.16.1.253 255.255.0.0 Router(config-if) #no9 shutdown
 % Invalid input detected at '^' marker.
Router(config-if) #no shutdown
Router (config-if) #exit
Router(config) # 00:49:10: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
Router(config) # 00:49:21: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
00:49:31: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
00:49:41: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
Router(config) #ospf 1 00:49:51: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
% Invalid input detected at '^' marker.
Router(config)fospf 1
00:50:01: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
 % Invalid input detected at '^' marker.
Router(config) #routerospf 1
00:50:11: %OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
% Invalid input detected at '^' marker.
Router(config) #router ospf 1
 Router(config-router) #
00:50:21: \page 00F-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
 Router(config-router)#
```

invalid packet: mismatch area ID. from backbone area must be virtual-link but not found from 20 0 0 2. Serial2/0

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```
% Invalid input detected at '^' marker.
Router(config) frouter ospf 1
Router(config-router) #
00:50:21: 809FF4-ERRROW: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
Router(config-router)$
00:50:31: \text{\text{\text{4DSFF-4-ERRRCV}: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
00:30:41. WOSFF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
virtual-link 1.
00:50:51: %OSFF-4-ERRRCV: Received invalid packet: mismatch area ID, from backbone area must be virtual-link but not found from 20.0.0.2, Serial2/0
I.I.1

Router(config=router) fares 1 virtual-link 1.1.1.1

Router(config=router) fexit

00:51:11: %0SFF-5-ADJUNG: Process 1, Nbr 1.1.1.1 on OSFF_VLO from LOADING to FULL, Loading Done
Router con0 is now available
Press RETURN to get started.
Router>
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #router-id 3.3.3.3
% Invalid input detected at '^' marker.
Router(config) #router ospf 1
Router(config-router) #router-id 3.3.3.3
Router(config-router) #network 30.0.0.0 0.255.255.255 area 0
Router(config-router) #network 30.0.0.0 0.255.255.255 area 0
00:36:51: %OSPF-5-ADJCHG: Process 1, Nbr 2.2.2.2 on Serial2/
Router(config-router) #network 40.0.0.0 0.255.255.255 area 2
Router(config-router) #exit
 Router(config)#
Router(config) #interface loopback 0
Router(config-if)#
%LINK-5-CHANGED: Interface Loopback0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface LoopbackO, changed state to up
Router(config-if) #ip add 172.16.1.254 255.255.0.0
Router(config-if) #no shutdown
Router (config-if) #exit
Router(config)#
Router(config) #routr ospf 1
% Invalid input detected at '^' marker.
Router(config) #router ospf 1
Router(config-router) #exit
Router (config) #exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router con0 is now available
```

