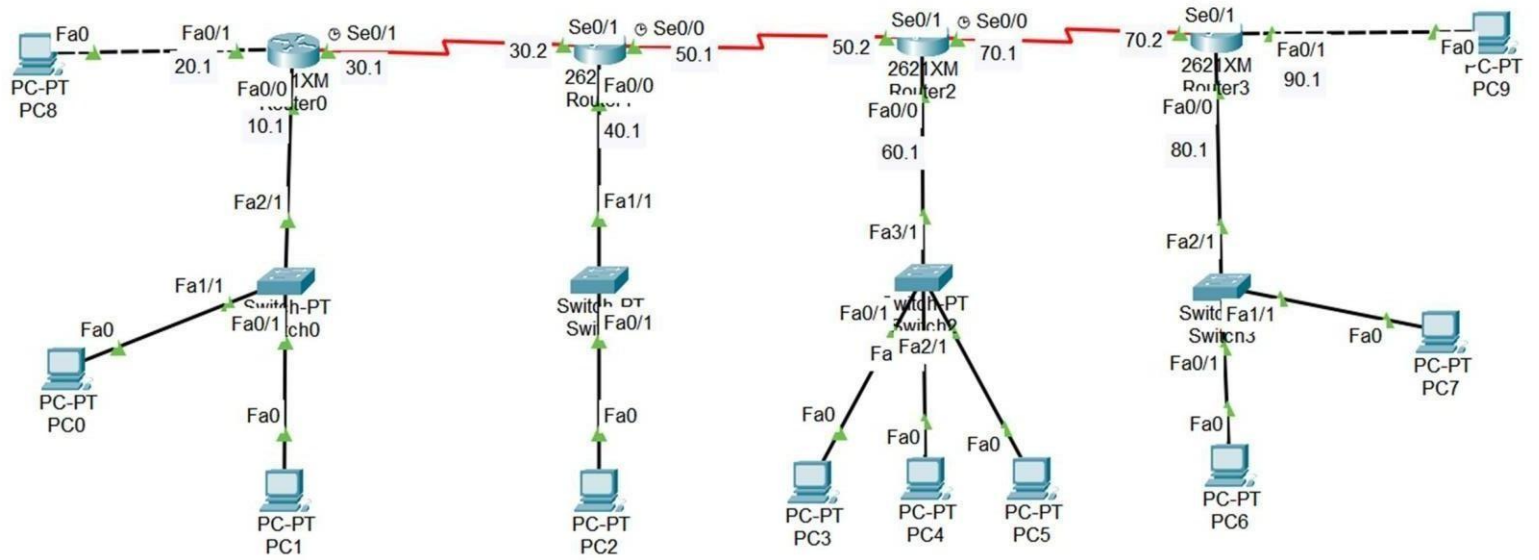# Group A: assignment 2 A

Name: Nirjala Dattatray Naik
Roll No: T512022

EIGRP

Physical   Config   CLI   Attributes

IOS Command Line Interface

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.10.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa0/1
Router(config-if)#ip add 192.168.20.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#int s0/1
Router(config-if)#ip add 192.168.30.1 255.255.255.0
Router(config-if)#clock rate 64000
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1, changed state to down
Router(config-if)#
```

Copy   Paste

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Router0

Physical   Config   **CLI**   Attributes

IOS Command Line Interface

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router eigrp 5
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.30.0
Router(config-router)#exit
Router(config)#exit
Router#
```

Router1

Physical   Config   **CLI**   Attributes

IOS Command Line Interface

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router eigrp 5
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.40.0
Router(config-router)#network 192.168.50.0
Router(config-router)#exit
Router(config)#exit
Router#
```

Router2

Physical   Config   **CLI**   Attributes

IOS Command Line Interface

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router eigrp 5
Router(config-router)#network 192.168.50.0
Router(config-router)#network 192.168.60.0
Router(config-router)#network 192.168.70.0
Router(config-router)#exit
Router(config)#exit
Router#
```

Router3

Physical   Config   **CLI**   Attributes

IOS Command Line Interface

```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router eigrp 5
Router(config-router)#network 192.168.70.0
Router(config-router)#network 192.168.80.0
Router(config-router)#network 192.168.90.0
Router(config-router)#exit
Router(config)#exit
Router#
```

Router0 — □ ✕

Physical   Config   CLI   Attributes

IOS Command Line Interface

```
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

C    192.168.10.0/24 is directly connected, FastEthernet0/0
C    192.168.20.0/24 is directly connected, FastEthernet0/1
C    192.168.30.0/24 is directly connected, Serial0/1
D    192.168.40.0/24 [90/20514560] via 192.168.30.2, 00:28:33, Serial0/1
D    192.168.50.0/24 [90/21024000] via 192.168.30.2, 00:28:33, Serial0/1
D    192.168.60.0/24 [90/21026560] via 192.168.30.2, 00:28:33, Serial0/1
D    192.168.70.0/24 [90/21536000] via 192.168.30.2, 00:28:33, Serial0/1
D    192.168.80.0/24 [90/21538560] via 192.168.30.2, 00:28:33, Serial0/1
D    192.168.90.0/24 [90/21538560] via 192.168.30.2, 00:28:33, Serial0/1
```

PC0 — □ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.90.2

Pinging 192.168.90.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.90.2: bytes=32 time=37ms TTL=124
Reply from 192.168.90.2: bytes=32 time=36ms TTL=124
Reply from 192.168.90.2: bytes=32 time=3ms TTL=124

Ping statistics for 192.168.90.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 37ms, Average = 25ms

C:\>ping 192.168.90.2

Pinging 192.168.90.2 with 32 bytes of data:

Reply from 192.168.90.2: bytes=32 time=6ms TTL=124
Reply from 192.168.90.2: bytes=32 time=5ms TTL=124
Reply from 192.168.90.2: bytes=32 time=3ms TTL=124
Reply from 192.168.90.2: bytes=32 time=3ms TTL=124

Ping statistics for 192.168.90.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 6ms, Average = 4ms

C:\>
```