Router 1st

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| --- |
| Router>enable  Router#configure terminal  Router(config)#hostname Router1  Router1(config)#interface FastEthernet0/0  Router1(config-if)#ip address 192.168.10.1 255.255.255.0  Router1(config-if)#no shutdown  Router1(config-if)#interface Serial0/0/0  Router1(config-if)#ip address 10.0.0.1 255.0.0.0  Router1(config-if)#no shutdown  Router1(config-if)#exit  Router1(config)#router eigrp 100  Router1(config-router)#network 192.168.10.0 0.0.0.255  Router1(config-router)#network 10.0.0.0 0.255.255.255  Router1(config-router)#no auto-summary  Router1(config-router)#exit  Router1(config)#exit  Router1#write memory |

Router 2

|  |
| --- |
| Router>enable  Router#configure terminal  Router(config)#hostname Router2  Router2(config)#interface FastEthernet0/0  Router2(config-if)#ip address 192.168.11.1 255.255.255.0  Router2(config-if)#no shutdown  Router2(config-if)#interface Serial0/0/0  Router2(config-if)#ip address 10.0.0.2 255.0.0.0  Router2(config-if)#no shutdown  Router2(config-if)#interface Serial0/0/1  Router2(config-if)#ip address 11.0.0.1 255.0.0.0  Router2(config-if)#no shutdown  Router2(config-if)#exit  Router2(config)#router eigrp 100  Router2(config-router)#network 192.168.11.0 0.0.0.255  Router2(config-router)#network 10.0.0.0 0.255.255.255  Router2(config-router)#network 11.0.0.0 0.255.255.255  Router2(config-router)#no auto-summary  Router2(config-router)#exit  Router2(config)#exit  Router2#write memory |

Router 3rd

|  |
| --- |
| Router>enable  Router#configure terminal  Router(config)#hostname Router3  Router3(config)#interface FastEthernet0/0  Router3(config-if)#ip address 192.168.12.1 255.255.255.0  Router3(config-if)#no shutdown  Router3(config-if)#interface Serial0/0/0  Router3(config-if)#ip address 11.0.0.2 255.0.0.0  Router3(config-if)#no shutdown  Router3(config-if)#interface Serial0/0/1  Router3(config-if)#ip address 12.0.0.1 255.0.0.0  Router3(config-if)#no shutdown  Router3(config-if)#exit  Router3(config)#router eigrp 100  Router3(config-router)#network 192.168.12.0 0.0.0.255  Router3(config-router)#network 11.0.0.0 0.255.255.255  Router3(config-router)#network 12.0.0.0 0.255.255.255  Router3(config-router)#no auto-summary  Router3(config-router)#exit  Router3(config)#exit  Router3#write memory |

Router 4th

|  |
| --- |
| Router>enable  Router#configure terminal  Router(config)#hostname Router4  Router4(config)#interface FastEthernet0/0  Router4(config-if)#ip address 192.168.13.1 255.255.255.0  Router4(config-if)#no shutdown  Router4(config-if)#interface Serial0/0/0  Router4(config-if)#ip address 12.0.0.2 255.0.0.0  Router4(config-if)#no shutdown  Router4(config-if)#exit  Router4(config)#router eigrp 100  Router4(config-router)#network 192.168.13.0 0.0.0.255  Router4(config-router)#network 12.0.0.0 0.255.255.255  Router4(config-router)#no auto-summary  Router4(config-router)#exit  Router4(config)#exit  Router4#write memory |

Verification Command

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| --- |
| Router#show ip eigrp neighbors // Verify EIGRP neighbors are established  Router#show ip route // Check routing table for EIGRP-learned routes  Router#show ip eigrp topology // Display EIGRP topology table  Router#ping <destination IP> // Test connectivity to other routers' networks |