Assign IP Router1 to Switch1

R1(config)# interface gig0/0

R1(config-if)# ip address 192.168.10.1 255.255.255.0

R1(config-if)# no shutdown

R1(config-if)# exit

Assign IP Router1 to Router2

R1(config)# interface gig0/1

R1(config-if)# ip address 192.168.1.1 255.255.255.252

R1(config-if)# no shutdown

R1(config-if)# exit

RIP Version 2

R1(config)# router rip

R1(config-router)# version 2

R1(config-router)# network 192.168.10.0

R1(config-router)# network 192.168.1.0

R1(config-router)# no auto-summary

R1(config-router)# exit

DHCP

R1(config)# ip dhcp pool LAN_POOL1

R1(dhcp-config)# network 192.168.10.0 255.255.255.0

R1(dhcp-config)# default-router 192.168.10.1

R1(dhcp-config)# dns-server 1.1.1.1

R1(dhcp-config)# exit

R1(config)# ip dhcp excluded-address 192.168.10.1 192.168.10.9

Assign IP Router2 to Switch2

R2(config)# interface gig0/0

R2(config-if)# ip address 192.168.20.1 255.255.255.0

R2(config-if)# no shutdown

R2(config-if)# exit

Assign IP Router2 to Router1

R2(config)# interface gig0/1

R2(config-if)# ip address 192.168.1.2 255.255.255.252

R2(config-if)# no shutdown

R2(config-if)# exit

Assign IP Router2 to Router2

R2(config)# interface gig0/2

R2(config-if)# ip address 192.168.2.1 255.255.255.252

R2(config-if)# no shutdown

R2(config-if)# exit

RIP Version 2

R2(config)# router rip

R2(config-router)# version 2

R2(config-router)# network 192.168.20.0

R2(config-router)# network 192.168.1.0

R2(config-router)# network 192.168.2.0

R2(config-router)# no auto-summary

R2(config-router)# exit

DHCP

R2(config)# ip dhcp pool LAN_POOL2

R2(dhcp-config)# network 192.168.20.0 255.255.255.0

R2(dhcp-config)# default-router 192.168.20.1

R2(dhcp-config)# exit

R2(config)# ip dhcp excluded-address 192.168.20.1 192.168.20.9

Assign IP Router3 to Switch3

R3(config)# interface gig0/0

R3(config-if)# ip address 192.168.30.1 255.255.255.0

R3(config-if)# no shutdown

R3(config-if)# exit

Assign IP Router3 to Router2

R3(config)# interface gig0/1

R3(config-if)# ip address 192.168.2.2 255.255.255.252

R3(config-if)# no shutdown

R3(config-if)# exit

RIP Version 2

R3(config)# router rip

R3(config-router)# version 2

R3(config-router)# network 192.168.30.0

R3(config-router)# network 192.168.2.0

R3(config-router)# no auto-summary

R3(config-router)# exit

DHCP

R3(config)# ip dhcp pool LAN_POOL3

R3(dhcp-config)# network 192.168.30.0 255.255.255.0

R3(dhcp-config)# default-router 192.168.30.1

R3(dhcp-config)# exit

R3(config)# ip dhcp excluded-address 192.168.30.1 192.168.30.9