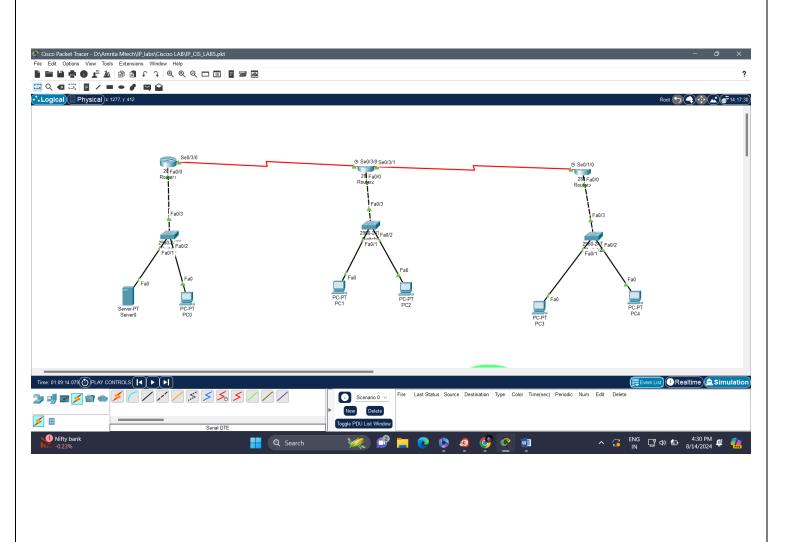
Teppala Pavan Kumar CB.SC.P2CYS24018

Configuring Routing using RIP and OSPF:

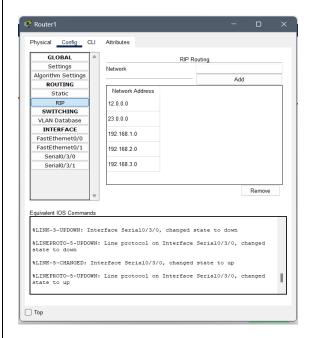
Instructions

Refer the image attached for the network architecture. And Use RIP and OSPF to configure the routing. All end devices should communicate with each other. Analyze the packets using simulation mode This will be considered as the result.

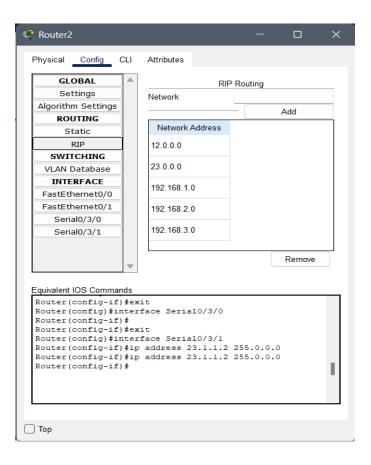
1.RIP



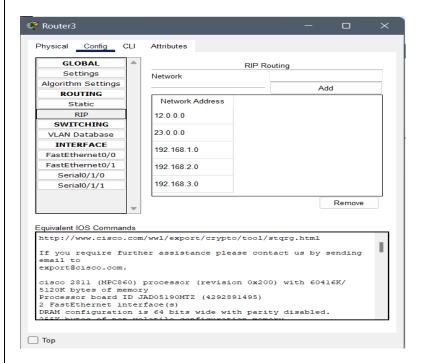
ROUTER 1:-



Router 2:-



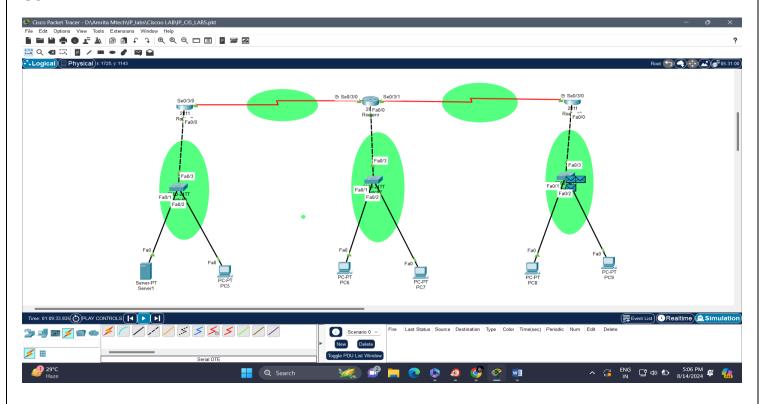
Router 3:-



Ping command

```
Physical
         Config
                                       Attributes
                 Desktop
                          Programming
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=1ms TTL=128
Reply from 192.168.2.3: bytes=32 time=2ms TTL=128
Reply from 192.168.2.3: bytes=32 time=4ms TTL=128
Reply from 192.168.2.3: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 4ms, Average = 1ms
C:\>
```

OSPF:-



Router 1:

```
interface FastEthernet0/0
ip address 192.168.1.1 255.255.255.0
 duplex auto
speed auto
interface FastEthernet0/1
no ip address
duplex auto
speed auto
shutdown
interface Serial0/3/0
ip address 12.1.1.1 255.0.0.0
interface Serial0/3/1
no ip address
clock rate 2000000
shutdown
interface Vlanl
no ip address
shutdown
router ospf 1
log-adjacency-changes
network 192.168.1.0 0.0.0.255 area 0
network 12.1.1.0 0.0.0.3 area 0
ip classless
ip flow-export version 9
```

Router 2:

```
interface FastEthernet0/0
ip address 192.168.2.1 255.255.255.0
duplex auto
speed auto
interface FastEthernet0/1
no ip address
duplex auto
speed auto
shutdown
interface Serial0/3/0
ip address 12.1.1.2 255.0.0.0
clock rate 2000000
interface Serial0/3/1
ip address 23.1.1.2 255.0.0.0
interface Vlanl
no ip address
shutdown
router ospf 2
log-adjacency-changes
network 192.168.2.0 0.0.0.255 area 2
network 12.1.1.0 0.0.0.3 area 0
network 23.1.1.0 0.0.0.3 area 1
ip classless
ip flow-export version 9
```

Router 3

```
interface FastEthernet0/0
ip address 192.168.3.1 255.255.255.0
duplex auto
speed auto
interface FastEthernet0/1
no ip address
duplex auto
speed auto
shutdown
interface Serial0/3/0
ip address 23.1.1.1 255.0.0.0
clock rate 2000000
interface Serial0/3/1
no ip address
clock rate 2000000
shutdown
interface Vlanl
no ip address
shutdown
router ospf 3
log-adjacency-changes
network 192.168.3.0 0.0.0.255 area 1
network 23.1.1.0 0.0.0.3 area 1
ip classless
ip flow-export version 9
```

Ping

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time=3ms TTL=128
Reply from 192.168.1.3: bytes=32 time=lms TTL=128
Reply from 192.168.1.3: bytes=32 time=3ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>
```