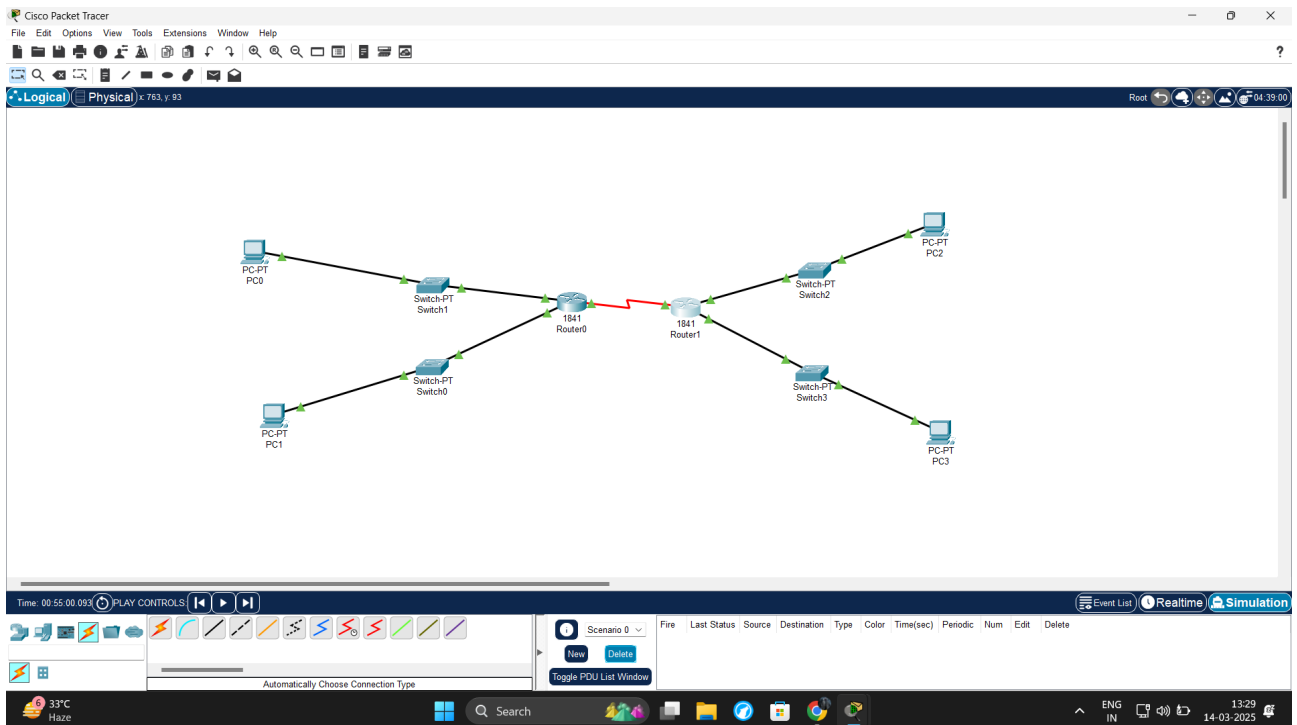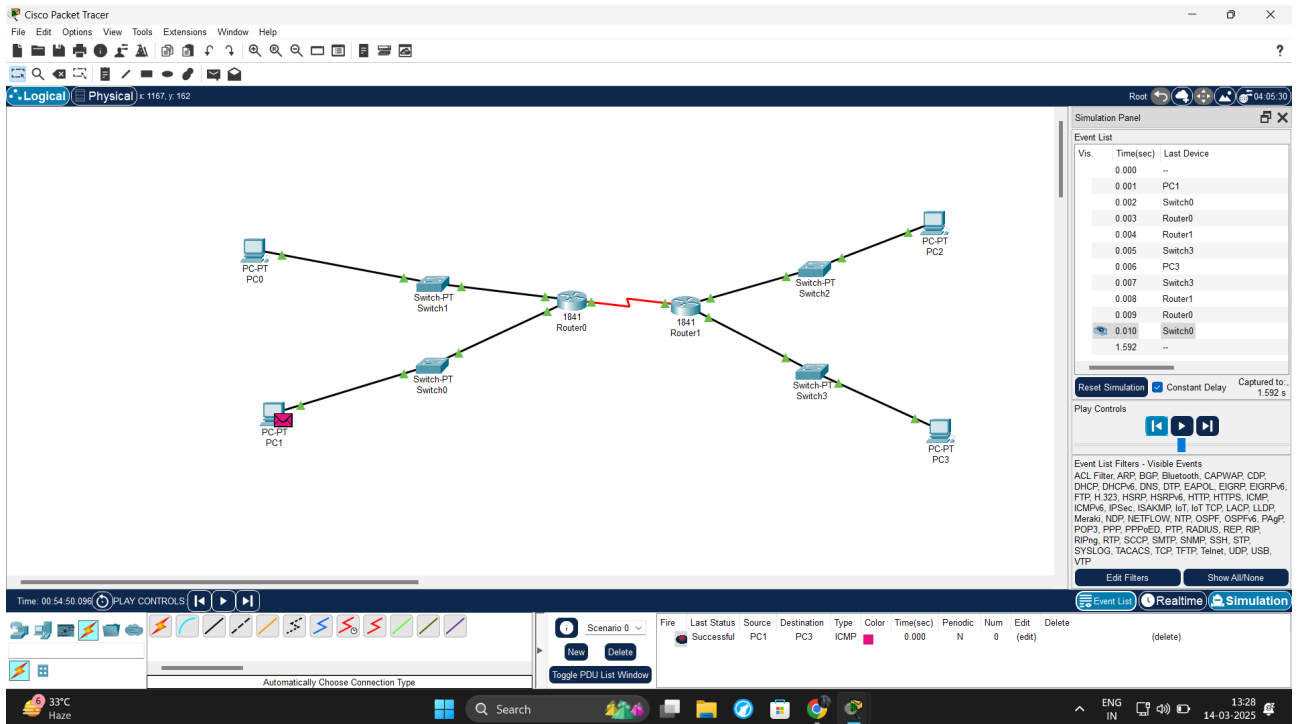Subnet Mask – 255.255.255.192
Subnet 1 Range – 10.0.0.0-63/26
Subnet 1 Range – 10.0.0.64-127/26
Subnet 1 Range – 10.0.0.128-191/26
Subnet 1 Range – 10.0.0.192-255/26

Router0 — IOS Command Line Interface

```
Press RETURN to get started!


Router>enable
Router#show ip interface brief
Interface          IP-Address      OK? Method Status                Protocol
FastEthernet0/0    10.0.0.65       YES manual up                    up
FastEthernet0/1    10.0.0.1        YES manual up                    up
Serial0/1/0        200.10.10.1     YES manual up                    up
Serial0/1/1        unassigned      YES unset  administratively down down
Vlan1              unassigned      YES unset  administratively down down
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

     10.0.0.0/26 is subnetted, 4 subnets
C       10.0.0.0 is directly connected, FastEthernet0/1
C       10.0.0.64 is directly connected, FastEthernet0/0
S       10.0.0.128 [1/0] via 200.10.10.2
S       10.0.0.192 [1/0] via 200.10.10.2
C    200.10.10.0/24 is directly connected, Serial0/1/0
Router#
```

Router1 — IOS Command Line Interface

```
Press RETURN to get started.




Router>enable
Router#show ip interface brief
Interface          IP-Address      OK? Method Status                Protocol
FastEthernet0/0    10.0.0.129      YES manual up                    up
FastEthernet0/1    10.0.0.193      YES manual up                    up
Serial0/1/0        200.10.10.2     YES manual up                    up
Serial0/1/1        unassigned      YES unset  administratively down down
Vlan1              unassigned      YES unset  administratively down down
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

     10.0.0.0/26 is subnetted, 4 subnets
S       10.0.0.0 [1/0] via 200.10.10.1
S       10.0.0.64 [1/0] via 200.10.10.1
C       10.0.0.128 is directly connected, FastEthernet0/0
C       10.0.0.192 is directly connected, FastEthernet0/1
C    200.10.10.0/24 is directly connected, Serial0/1/0
Router#
```