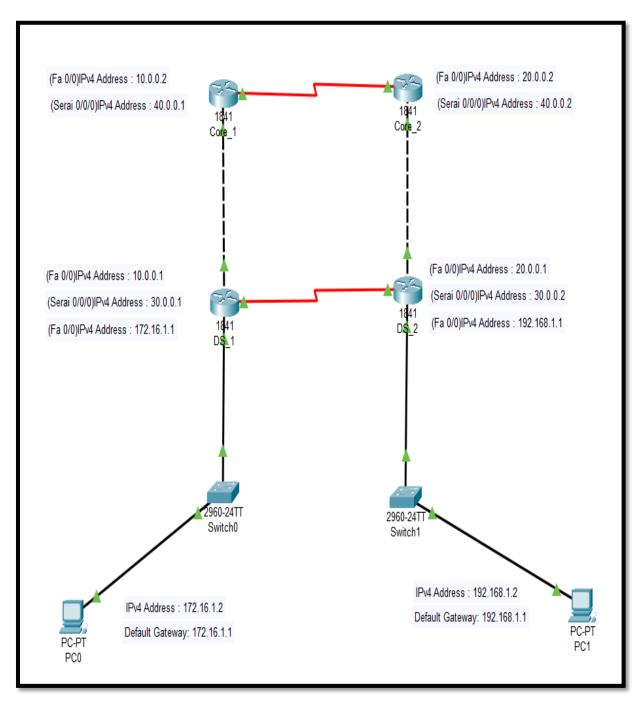
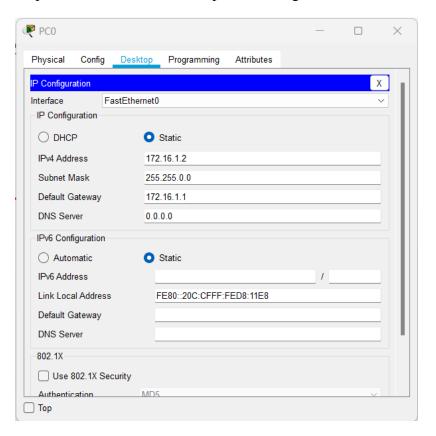
## **Practical NO: 2**

## **Aim: Demonstrating Distribution Layer Functions.**

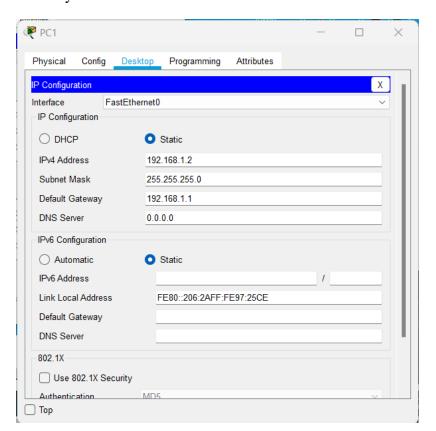
Step 1: Make Connection like This. Name the top two Routers Core\_1 and Core\_2 and the Bottom two Routers DS\_1 and DS\_2.



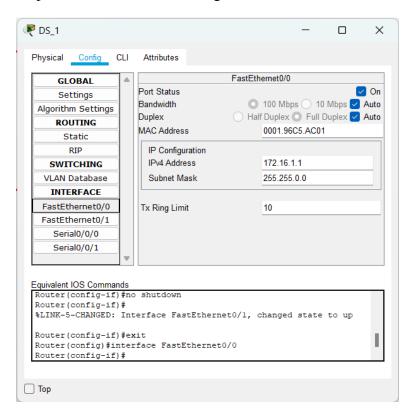
Step 2: Click on PC0 > Desktop > IP Configuration > set IPv4 Address and Default Gateway.



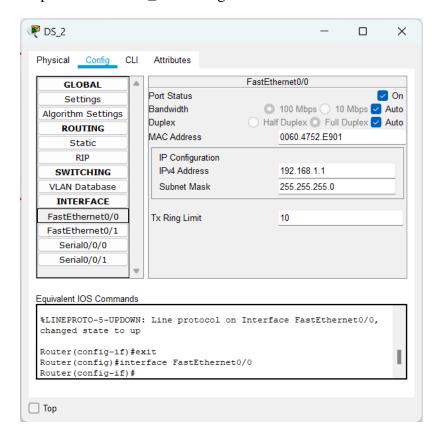
Step 3: Click on PC1 > Desktop > IP Configuration > set IPv4 Address and Default Gateway.



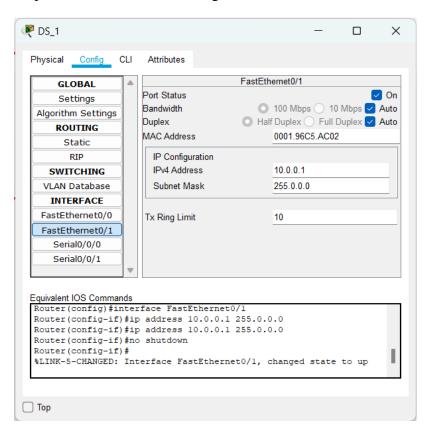
Step 4: Click on DS\_1 > Config > FastEthernet 0/0 > set IPv4 Address and On the Port Status



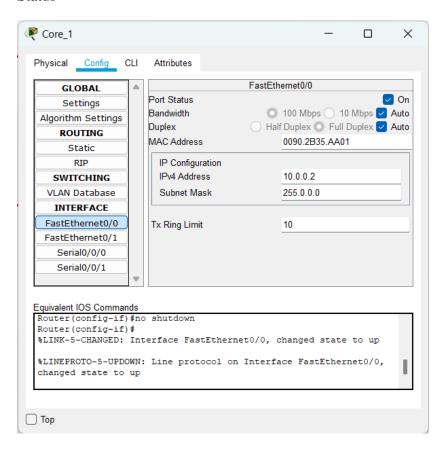
Step 5: Click on DS\_2 > Config > FastEthernet 0/0 > set IPv4 Address and On the Port Status



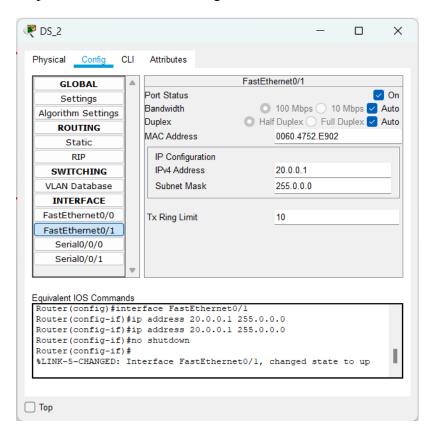
Step 6: Click on DS\_1 > Config > FastEthernet 0/1 > set IPv4 Address and On the Port Status



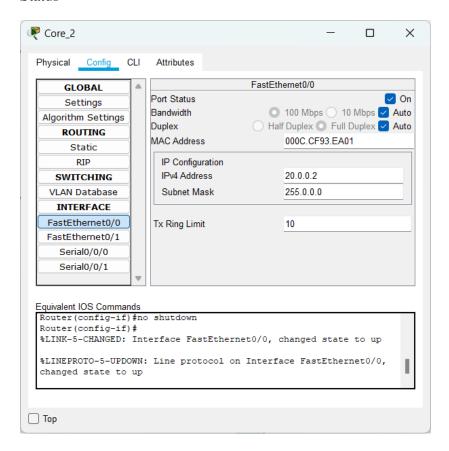
Step 7: Click on Core\_1 > Config > FastEthernet 0/0 > set IPv4 Address and On the Port Status



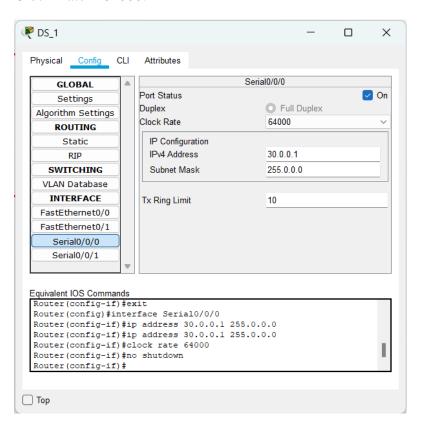
Step 8: Click on DS\_2 > Config > FastEthernet 0/1 > set IPv4 Address and On the Port Status



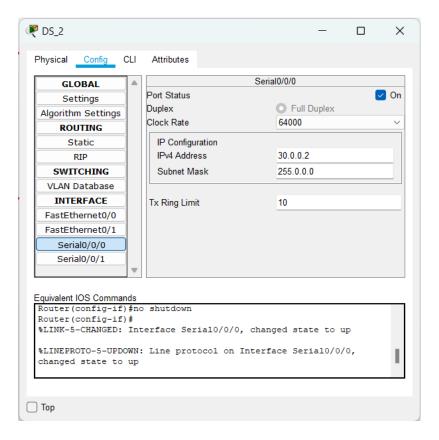
Step 9: Click on Core\_2 > Config > FastEthernet 0/0 > set IPv4 Address and On the Port Status



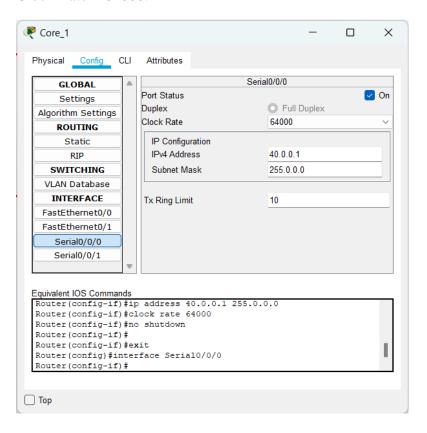
Step 10: Click on DS\_1 > Config > Serial 0/0/0 > set IPv4 Address and On the Port Status. Clock Rate = 64000.



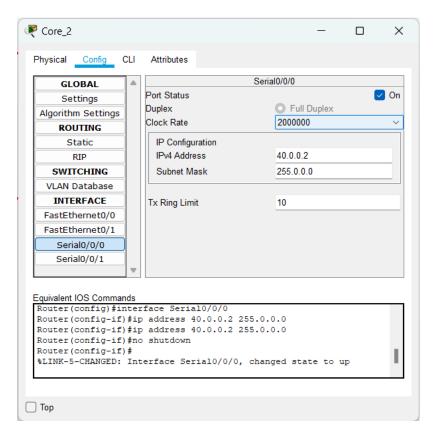
Step 11: Click on DS\_2 > Config > Serial 0/0/0 > set IPv4 Address and On the Port Status. Clock Rate = 64000.



Step 12: Click on Core\_1 > Config > Serial 0/0/0 > set IPv4 Address and On the Port Status. Clock Rate = 64000.



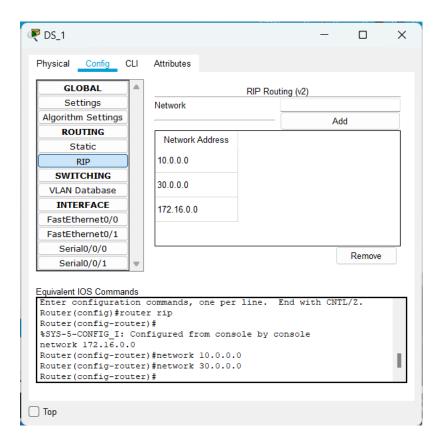
Step 13: Click on Core\_2 > Config > Serial 0/0/0 > set IPv4 Address and On the Port Status. Clock Rate = 64000.



Step 14: Click on DS\_1 > CLI > router rip and version 2



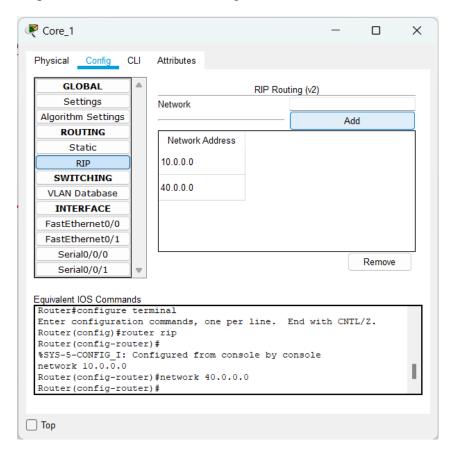
Step 15: Click on DS\_1 > Config > RIP > Add Network Address.



Step 16: Click on Core\_1 > CLI > router rip and version 2



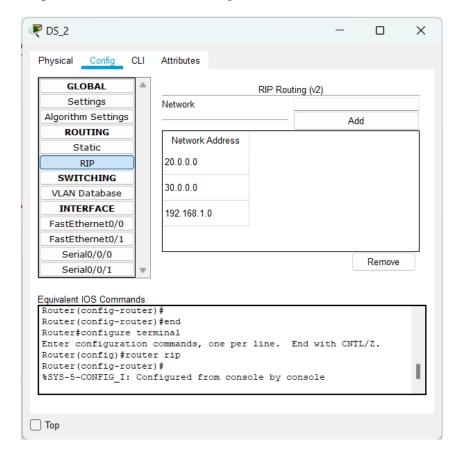
Step 17: Click on Core\_1 > Config > RIP > Add Network Address.



Step 18: Click on DS\_2 > CLI > router rip and version 2



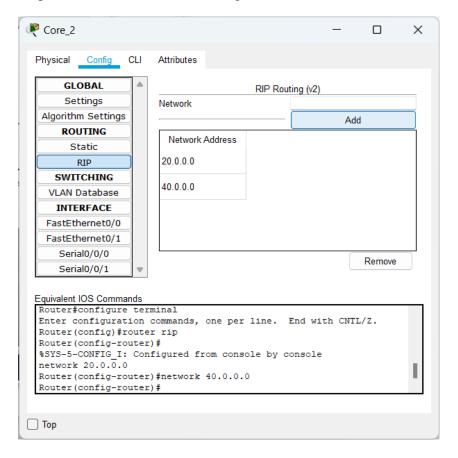
Step 19: Click on DS\_2 > Config > RIP > Add Network Address.



Step 20: Click on Core\_2 > CLI > router rip and version 2

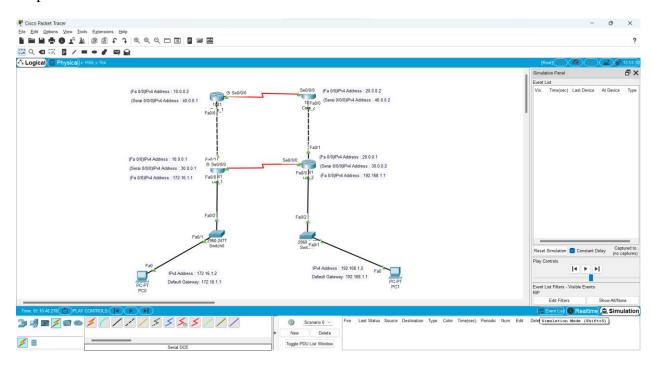


Step 21: Click on Core\_2 > Config > RIP > Add Network Address.



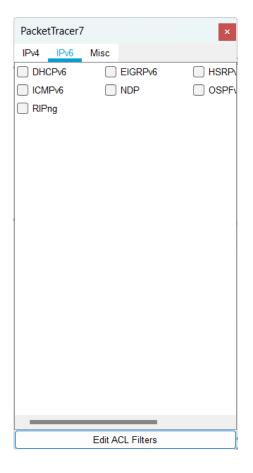
Page No:

Step 22: Click on Simulation > Edit Filter



Step 23: Unclick every option except RIP in IPv4, IPv6 and MIsc.







## Output:

