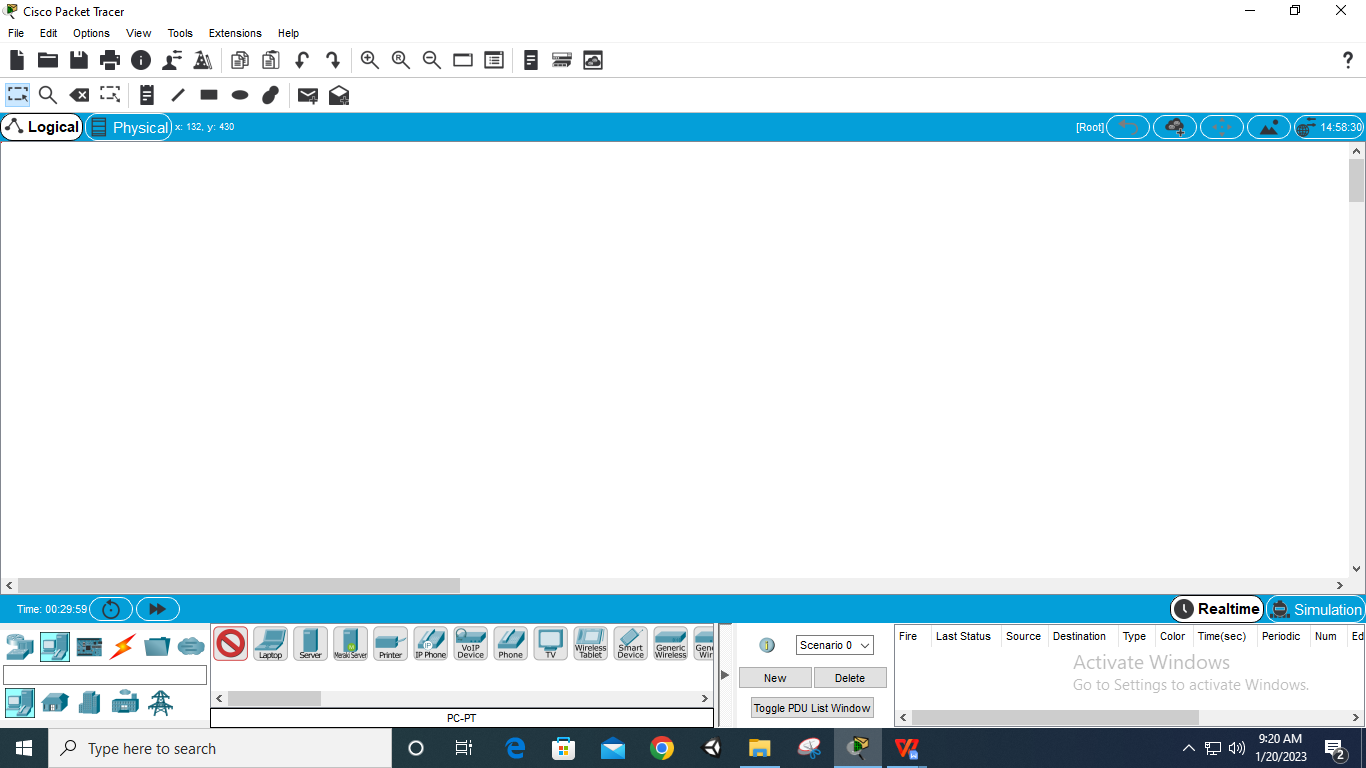
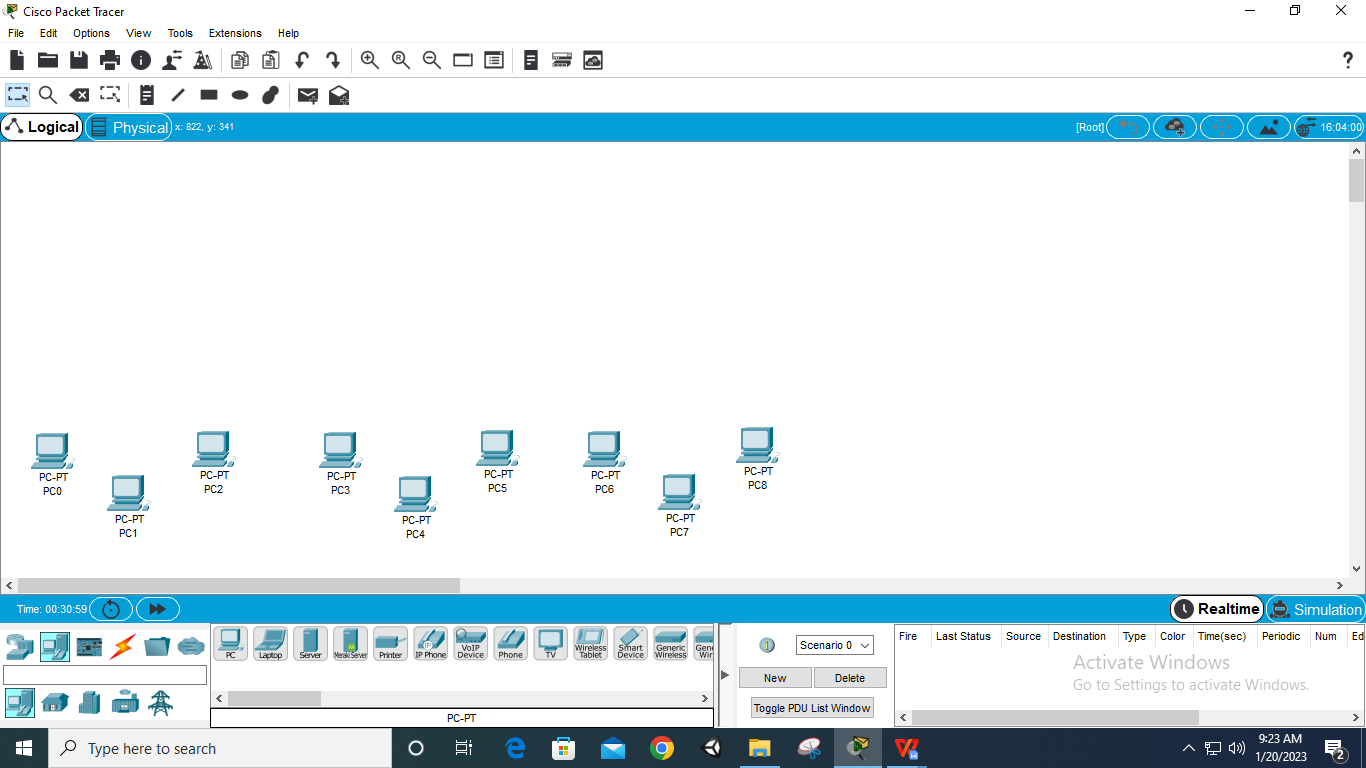
**Practical No. 8**

1. **Using Packet Tracer, create a network with three**

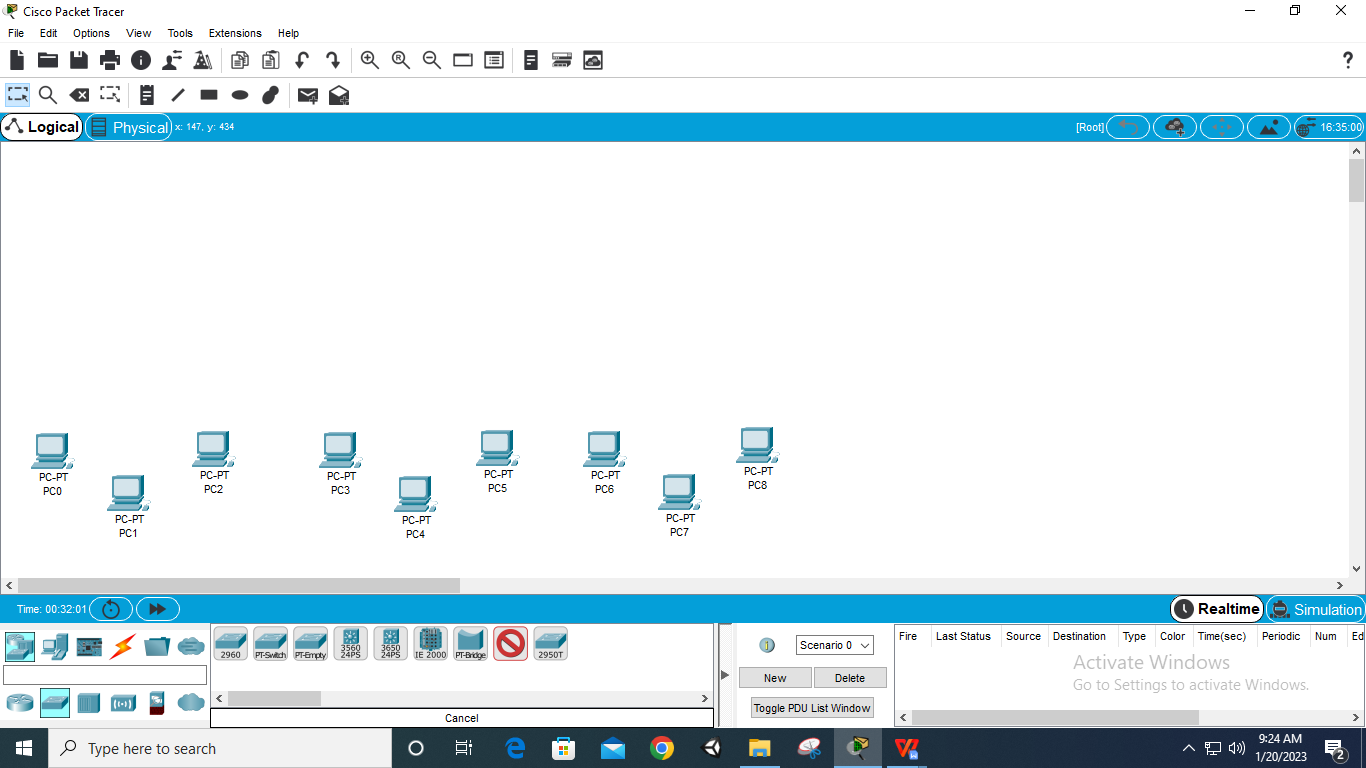
**routers with BGP and each router associated network will have minimum three PC. Show Connectivity.**

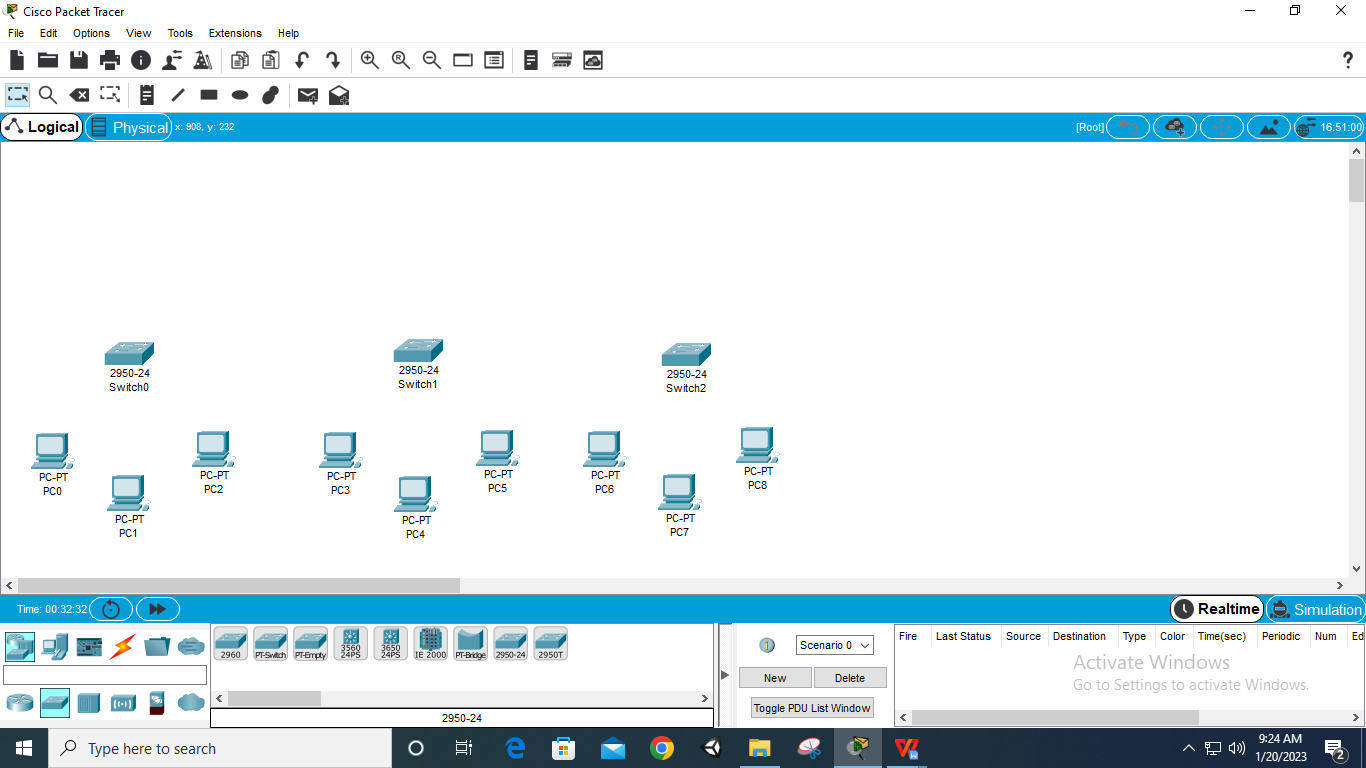
**Step 1: Take 9 PCs**



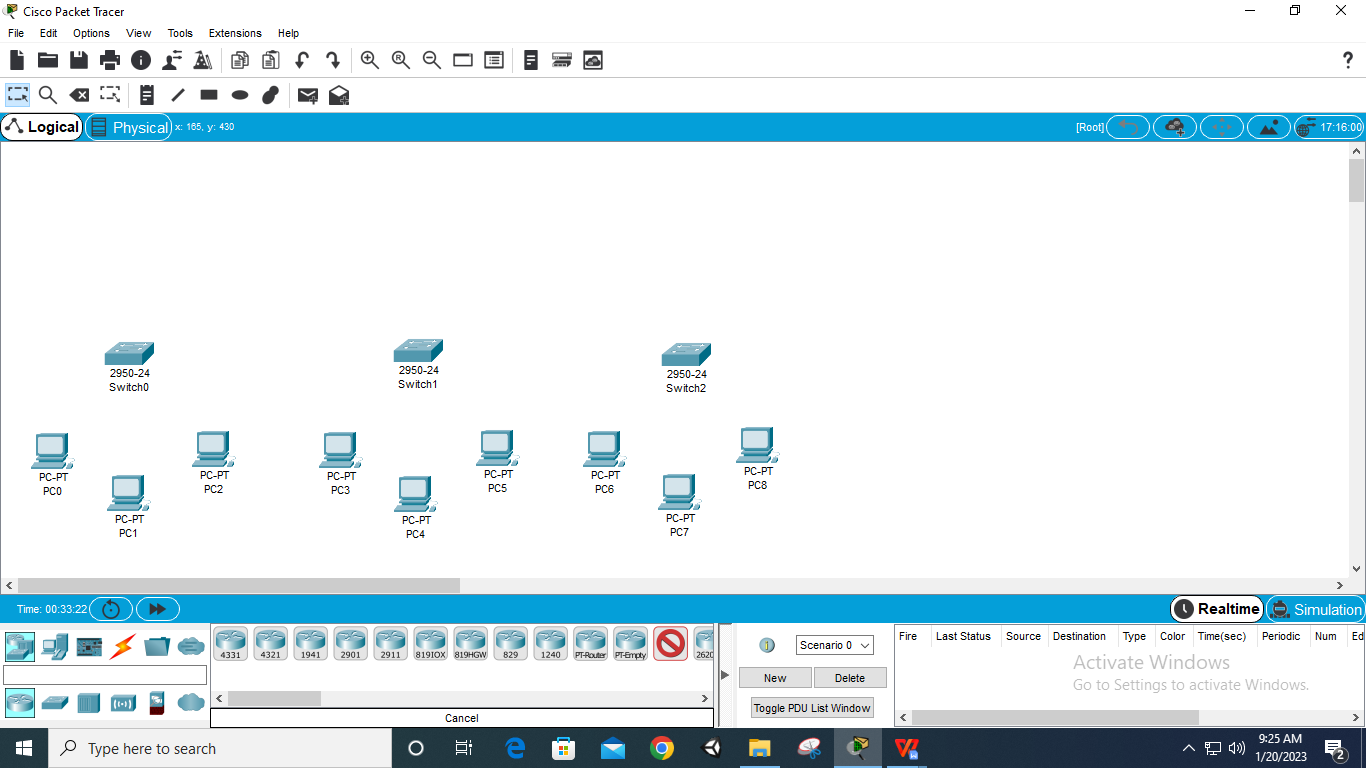


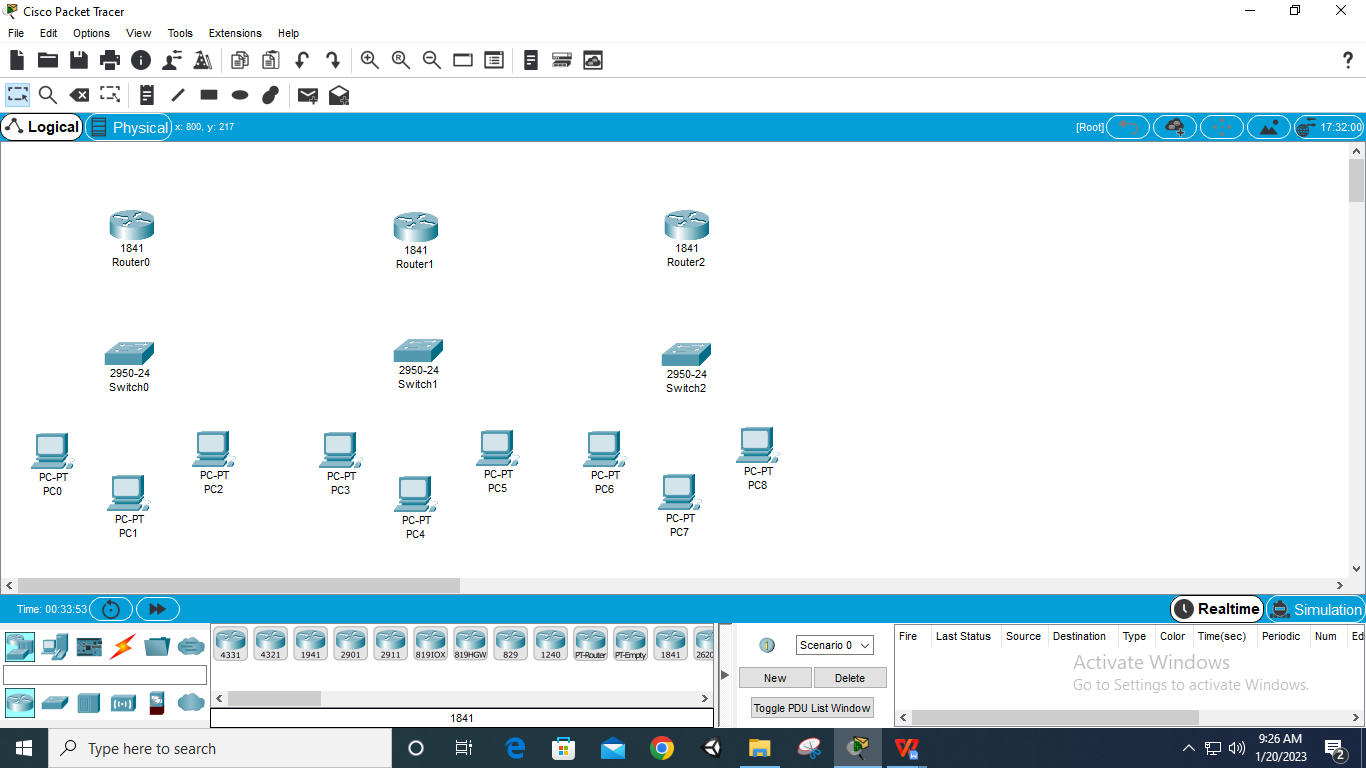
**Step 2: Take 3 Switches of name 2950-24**



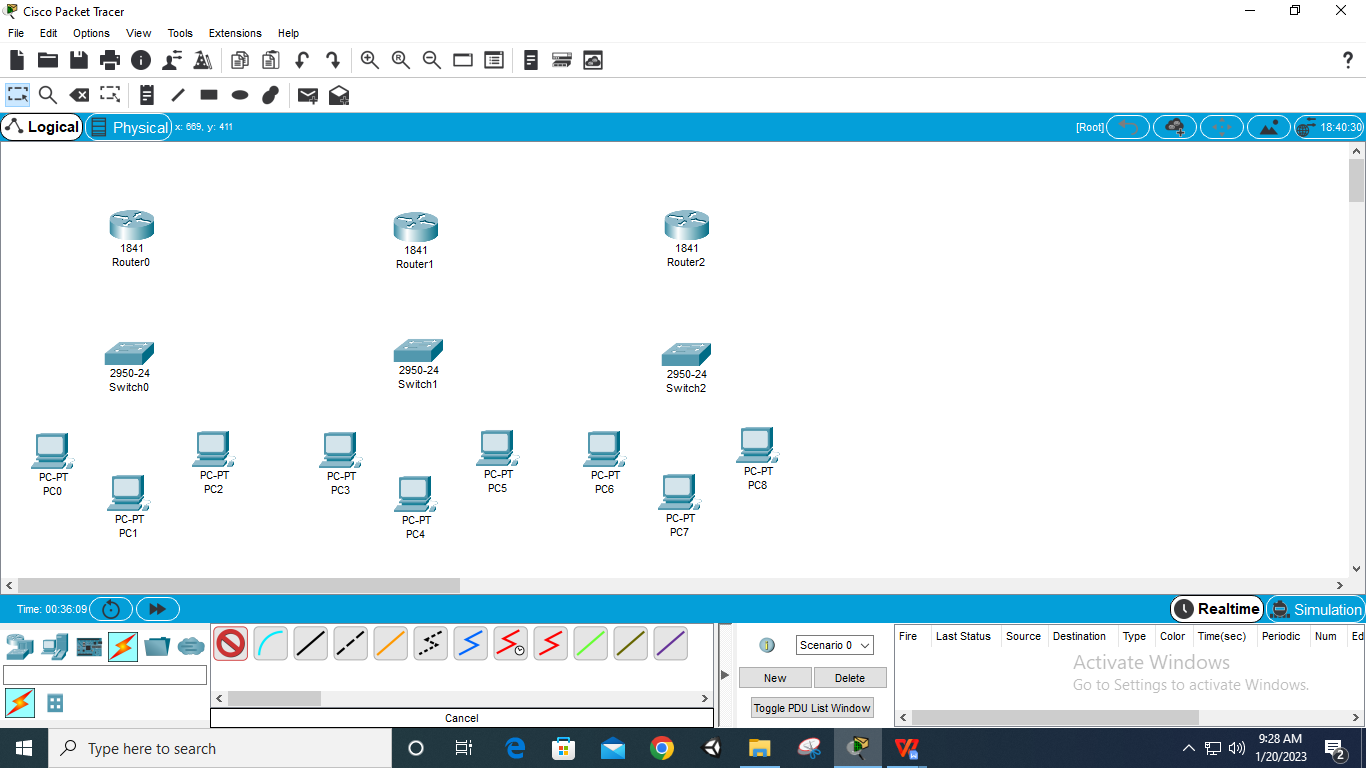


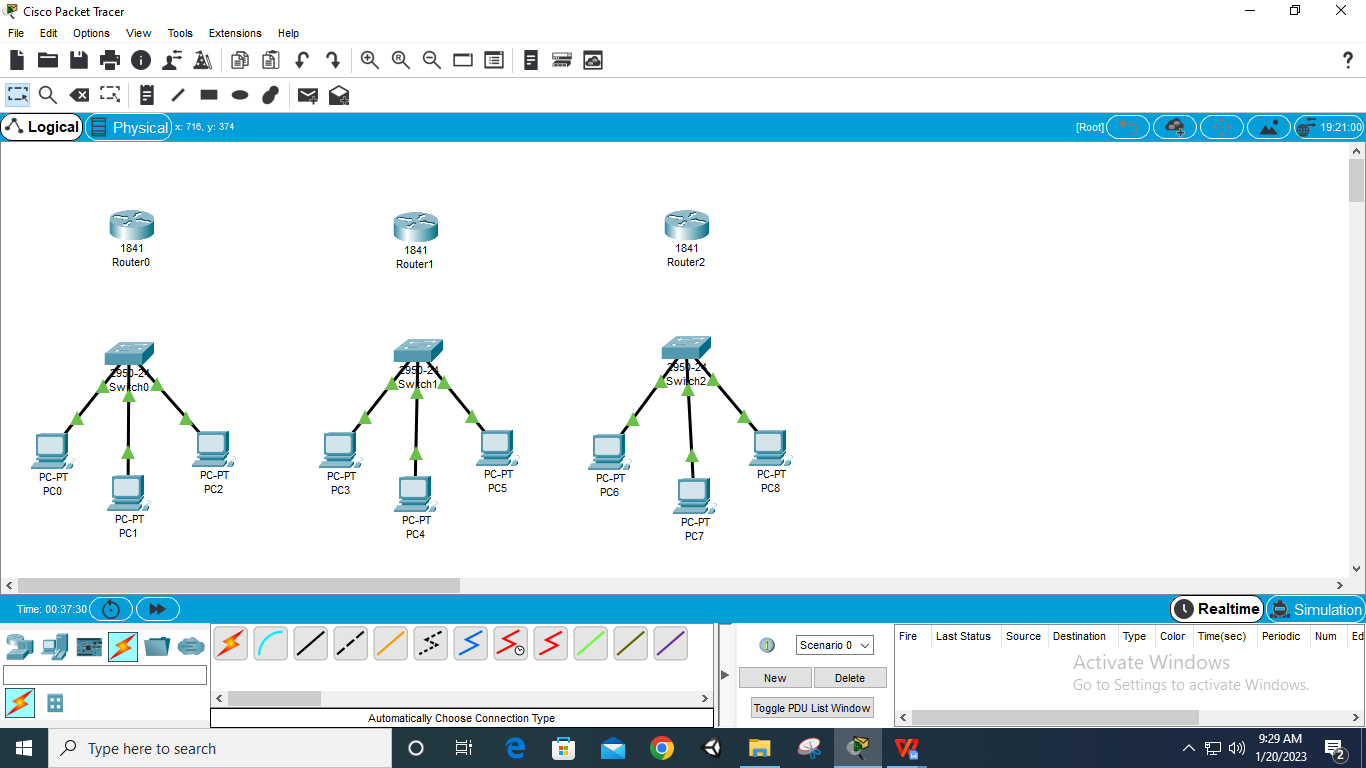
**Step 3: Take 3 routers of name 1841**



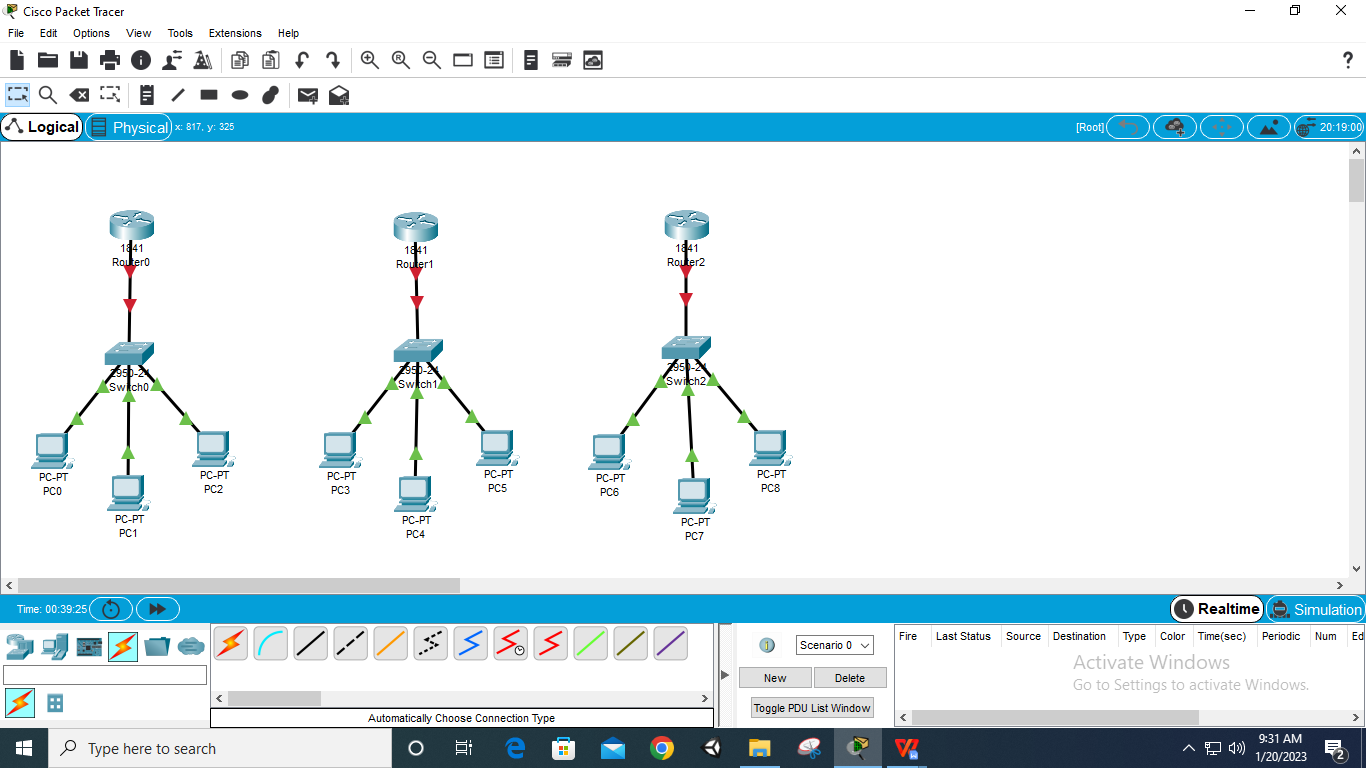


**Step 4: Connect all PCs to their respected Switch via ‘Automatically Choose Connection Type’**

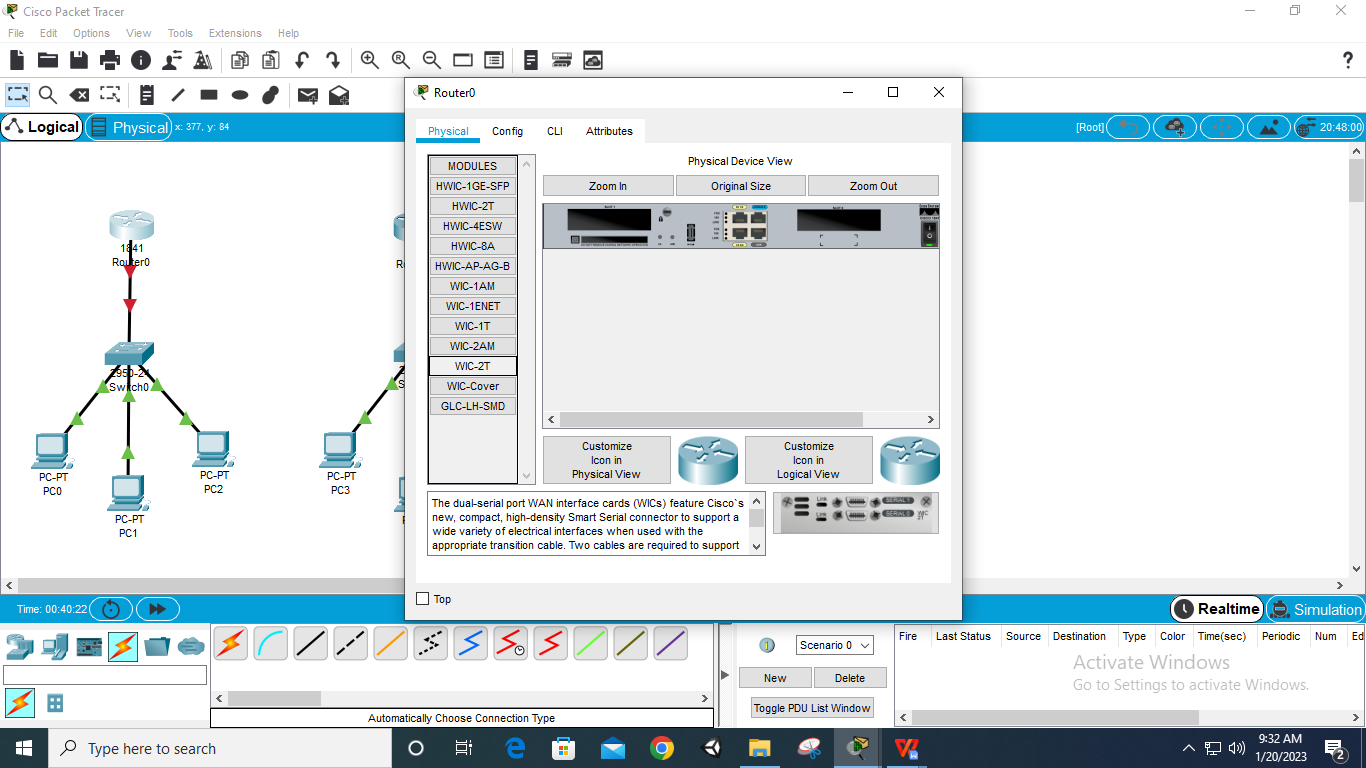


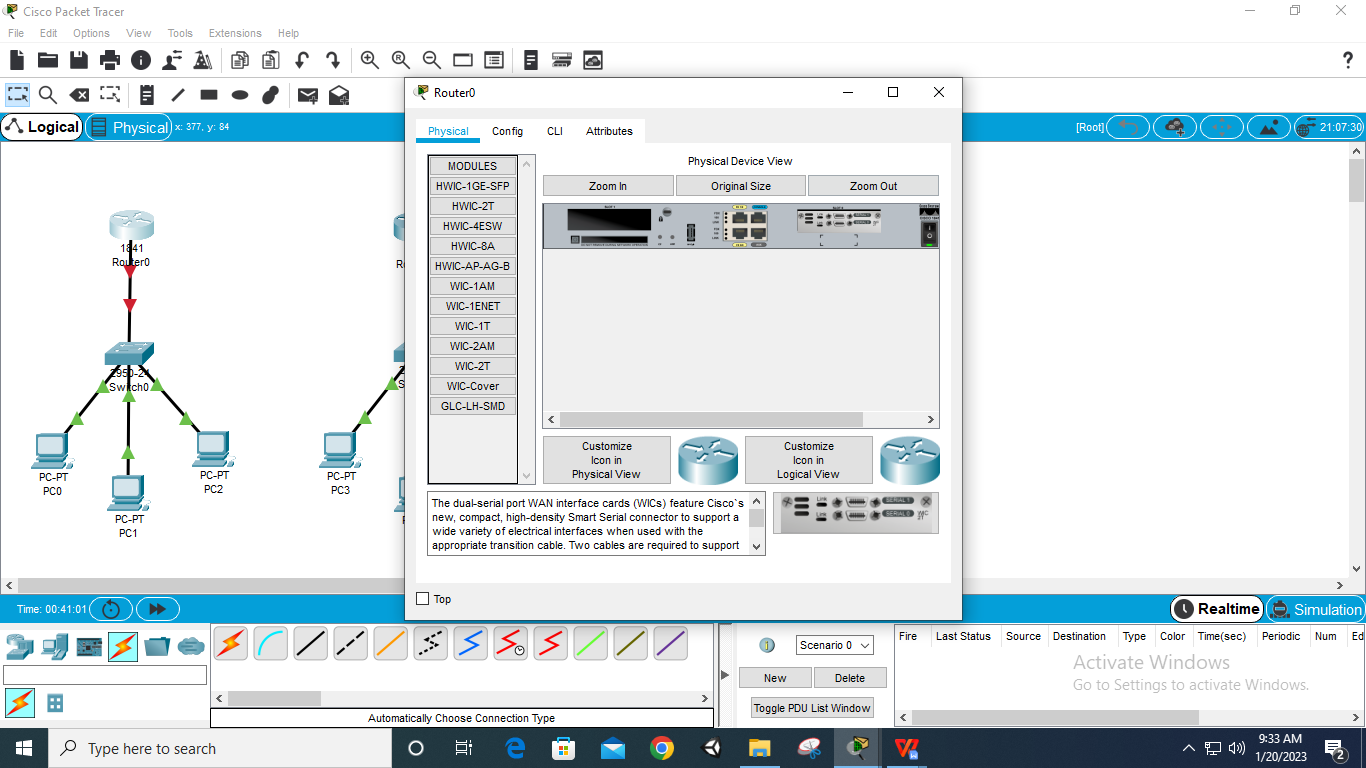


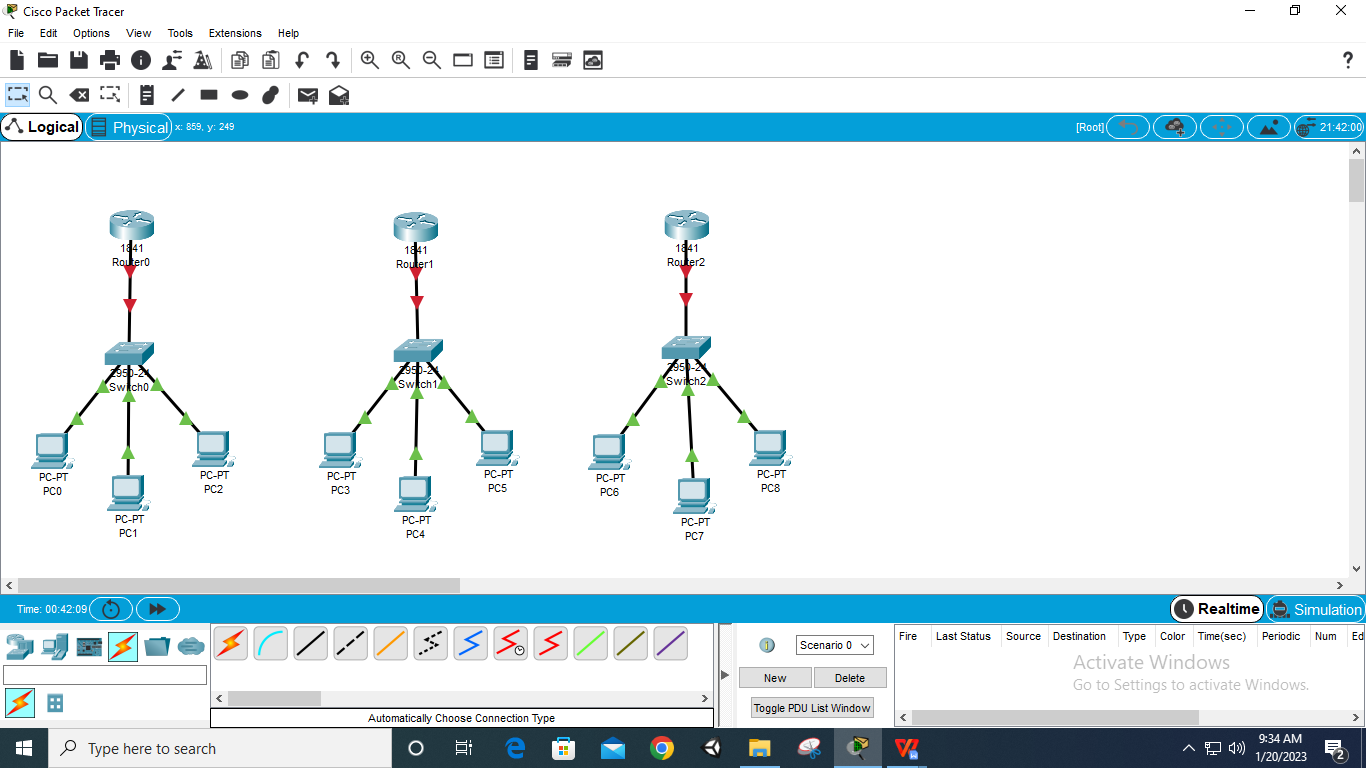
**Step 5: Connect all Routers to their respected Switch via ‘Automatically Choose Connection Type’**



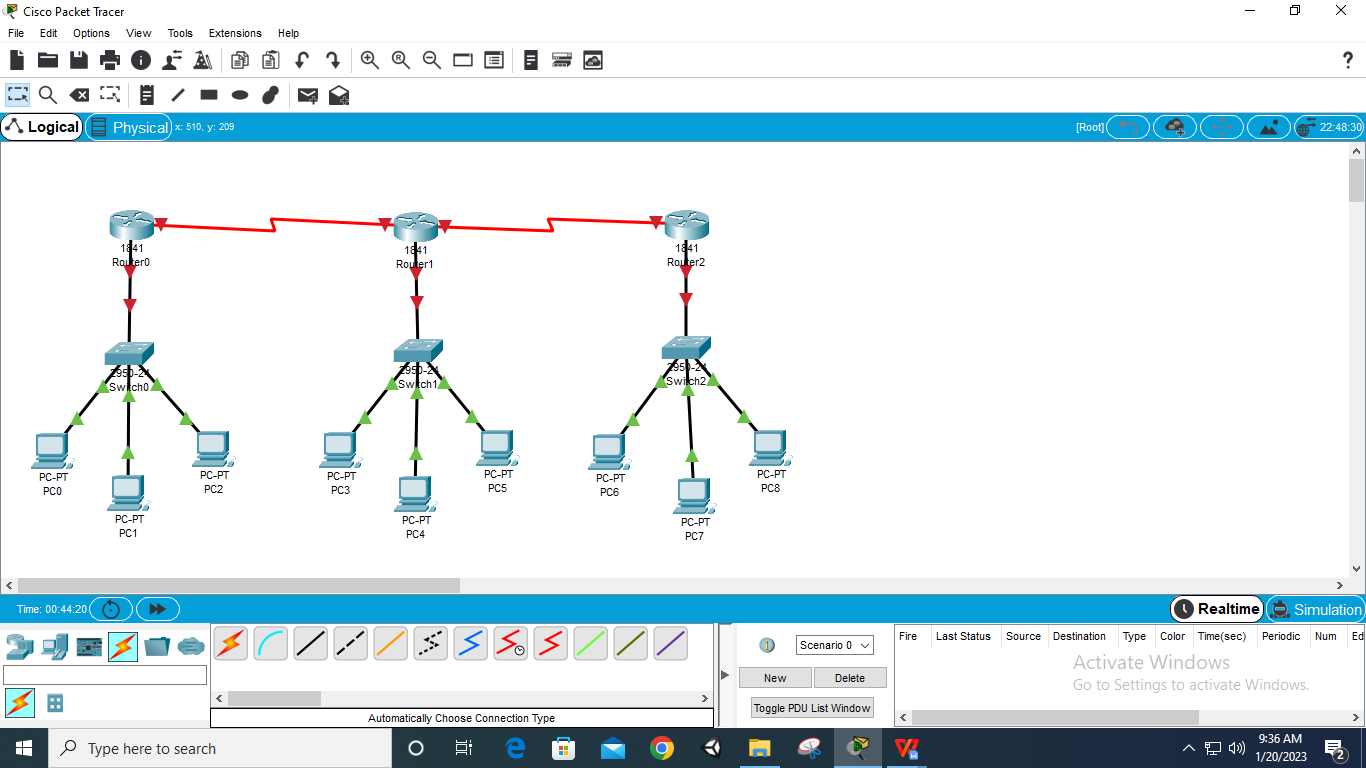
**Step 6: Select Router – Physical – WIC 2T – off Router – add Port – on Router (for all 3 Routers)**



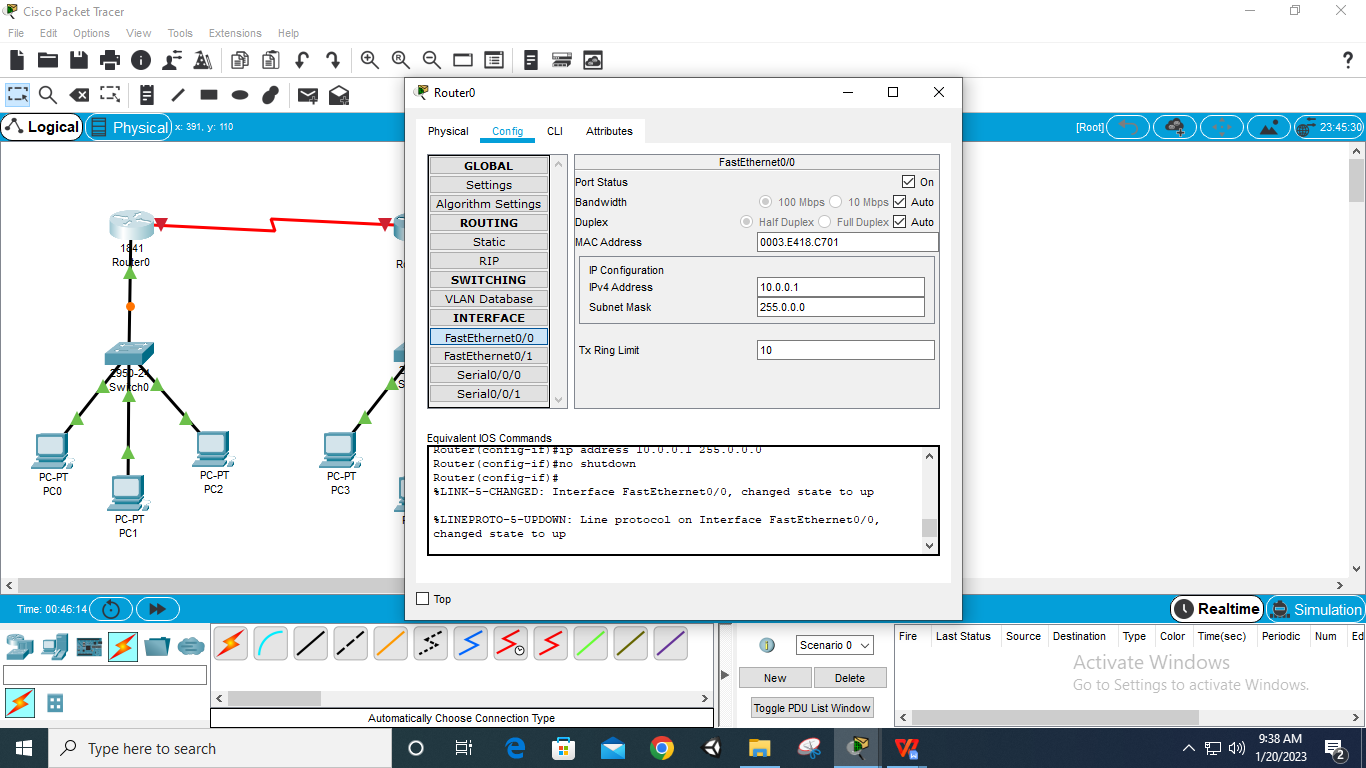


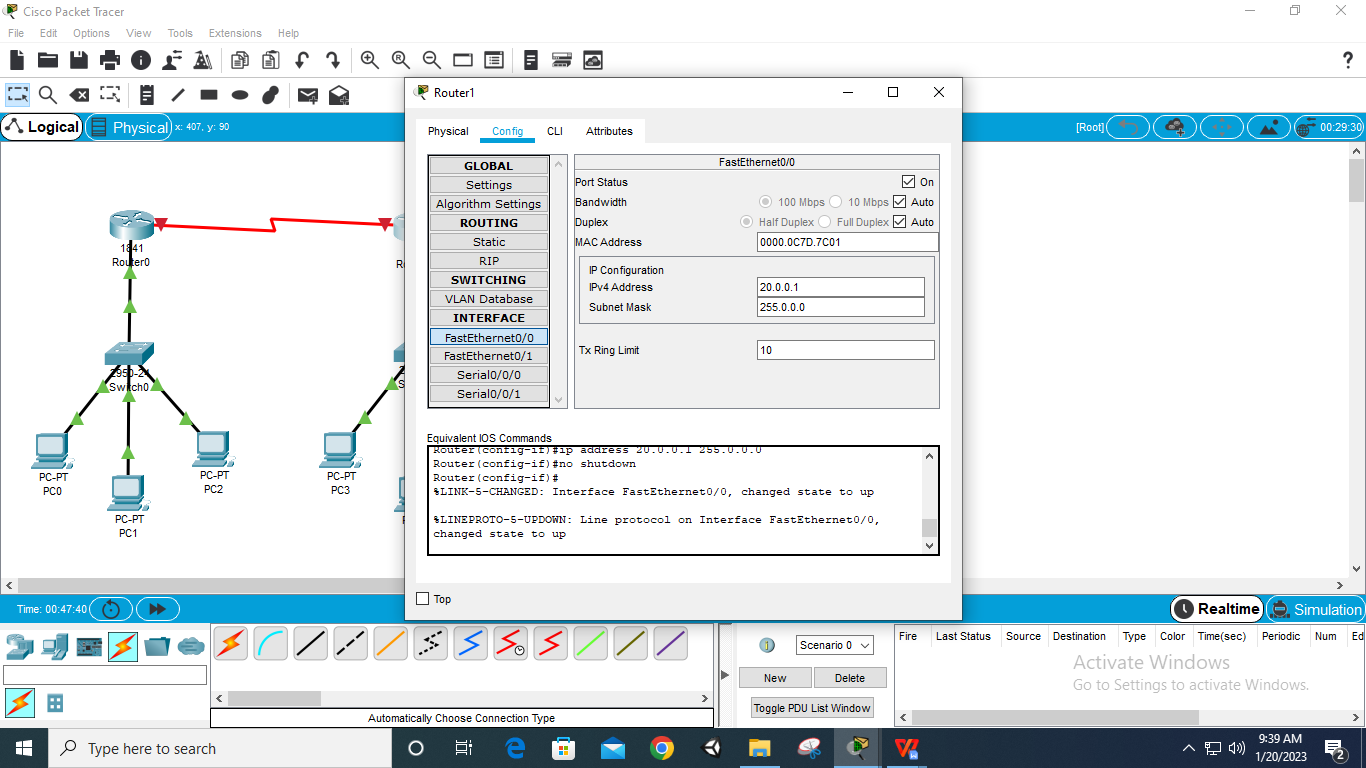


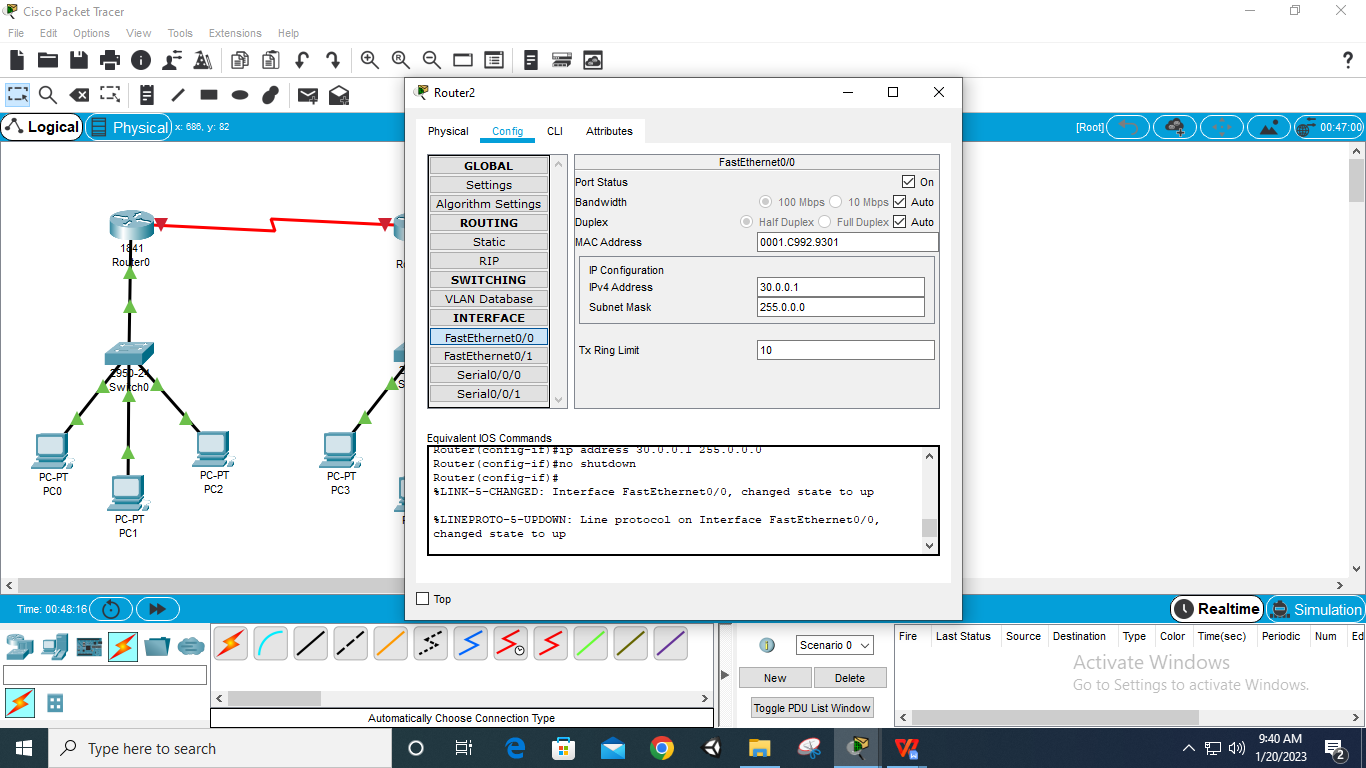
**Step 7: Connect Routers via ‘Automatically Choose Connection Type’**



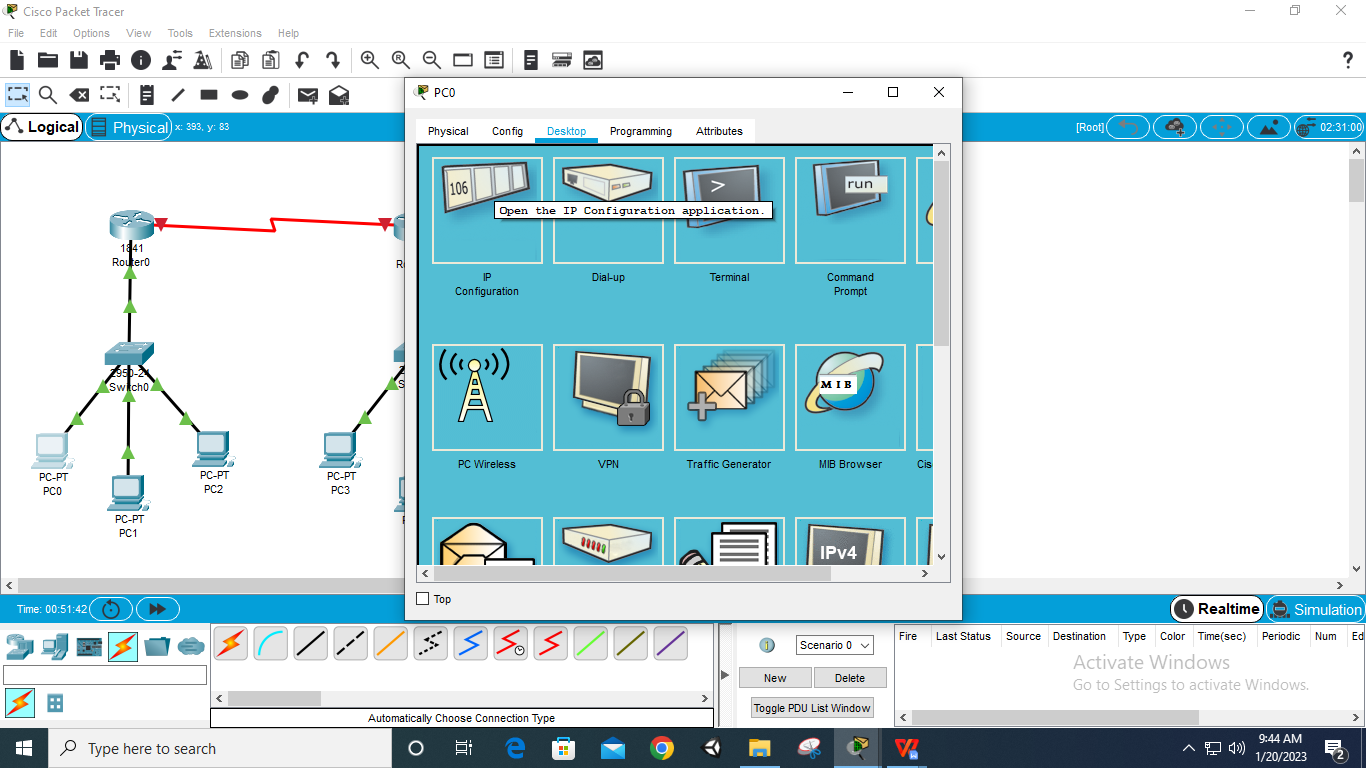
**Step 8: Select Router – Config – Fastethernet 0/0 – give IP as – 10/20/30.0.0.1 – Port Status on (for all 3 Routers)**

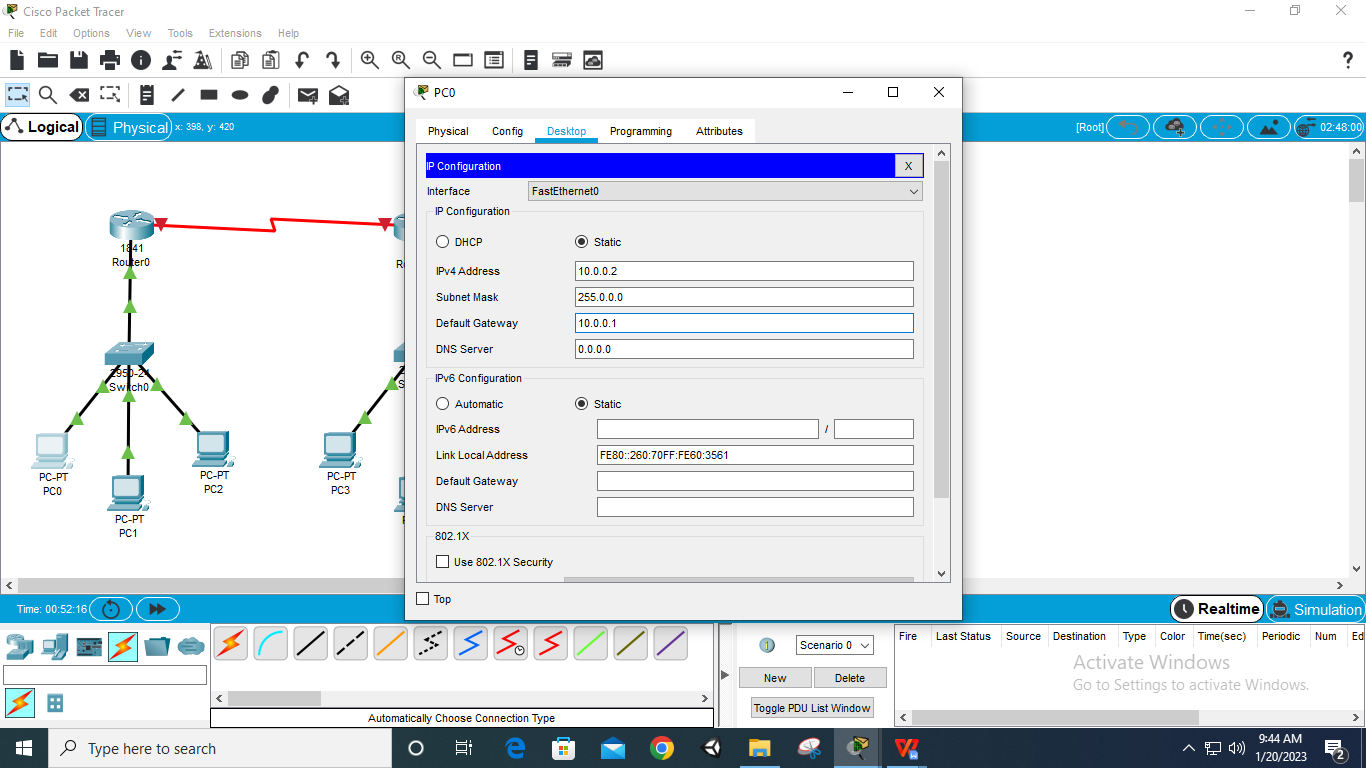


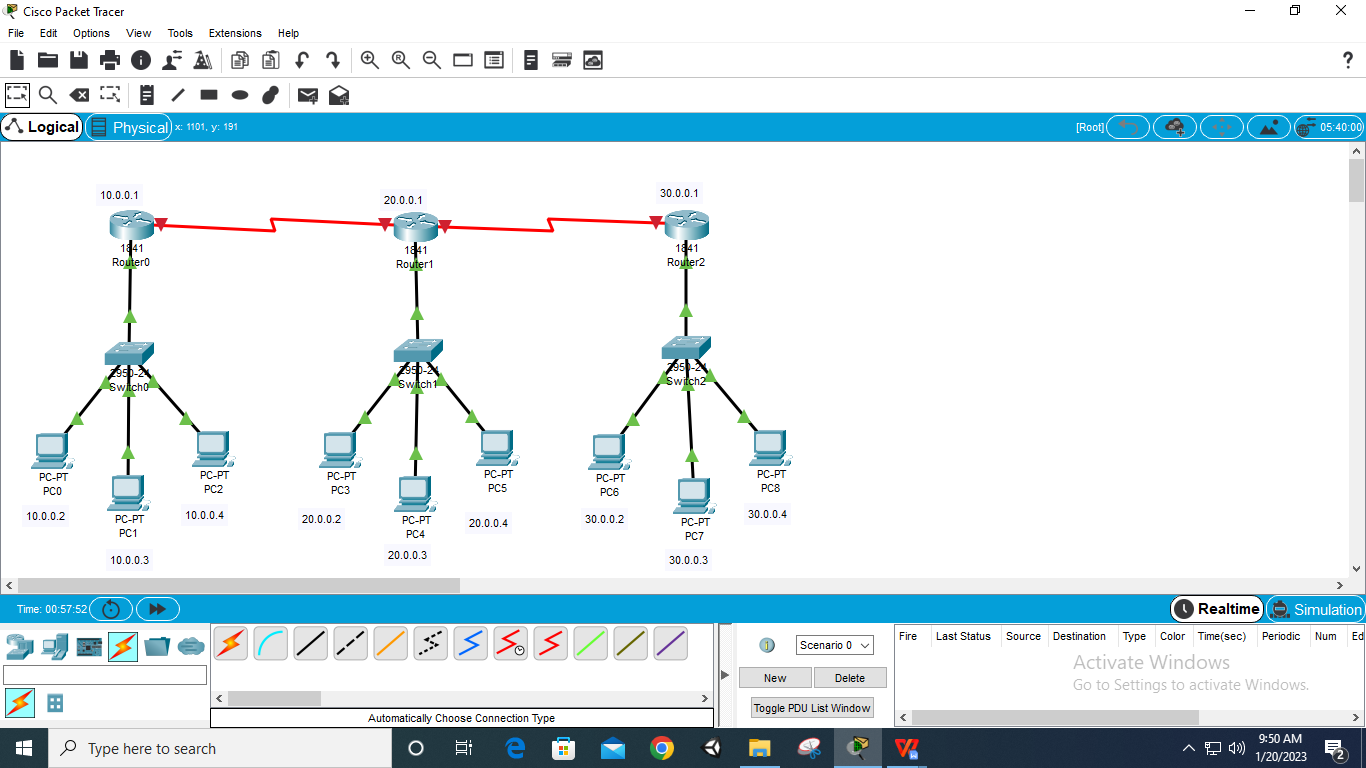




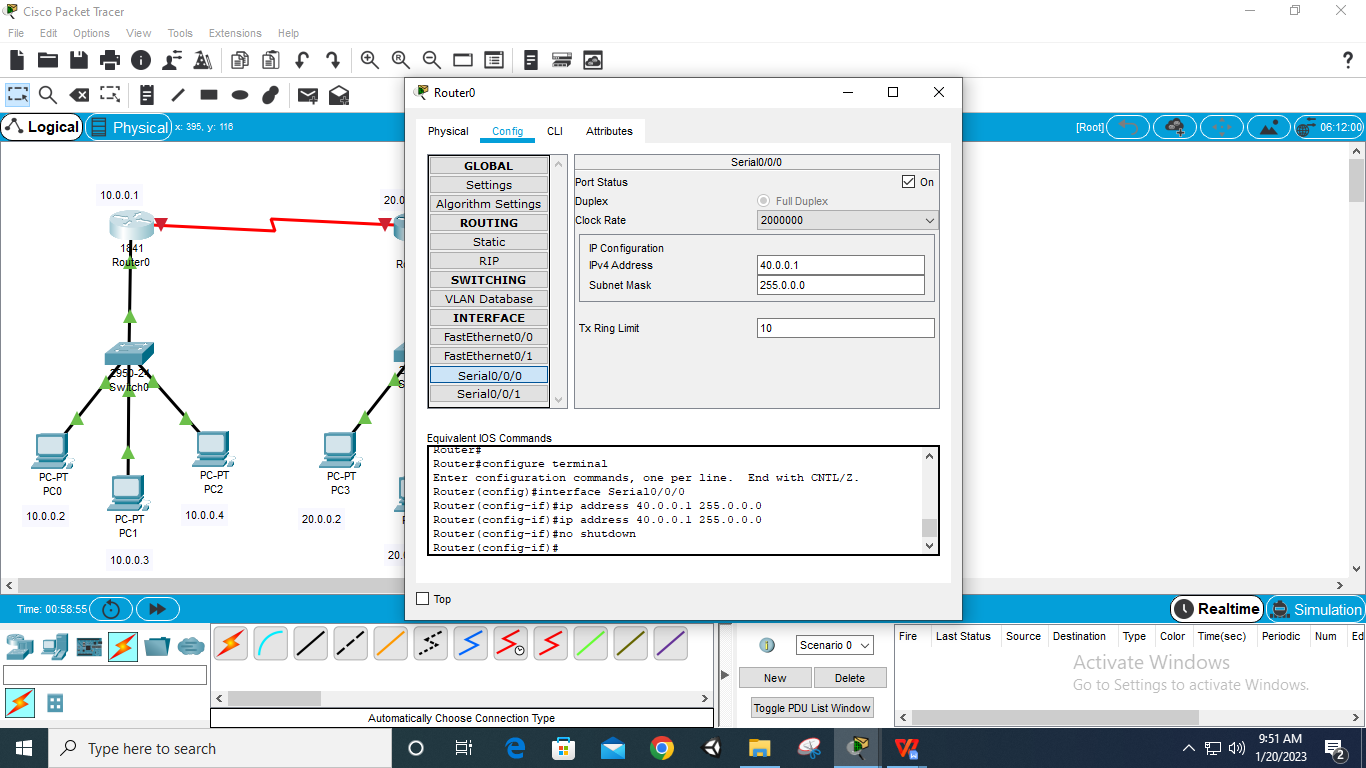
**Step 9: Select PC – Desktop- IP Configuration – IP – 10/20/30.0.0.2/.3/.4 & Default Gateway – 10.0.0.1/2/3(Router IP) (for all 9 PCs according to their Routers)**



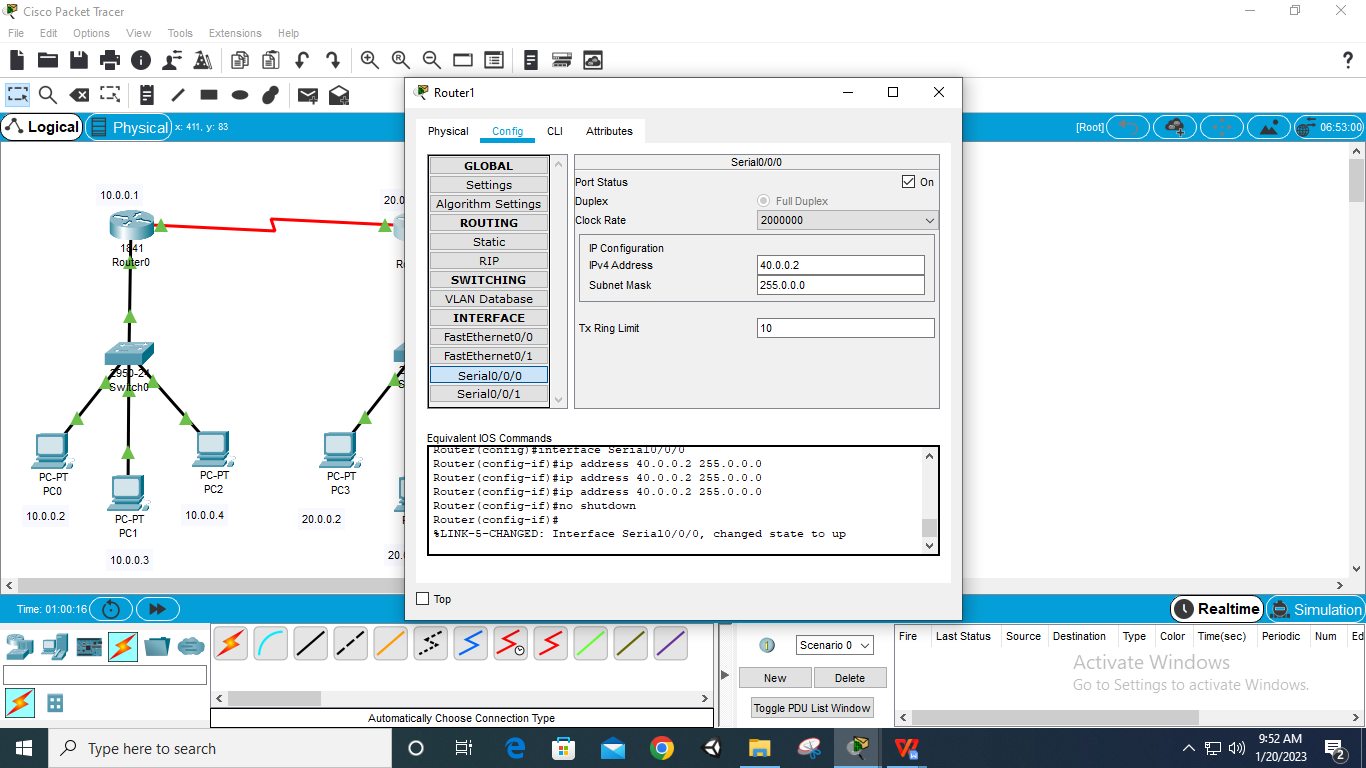




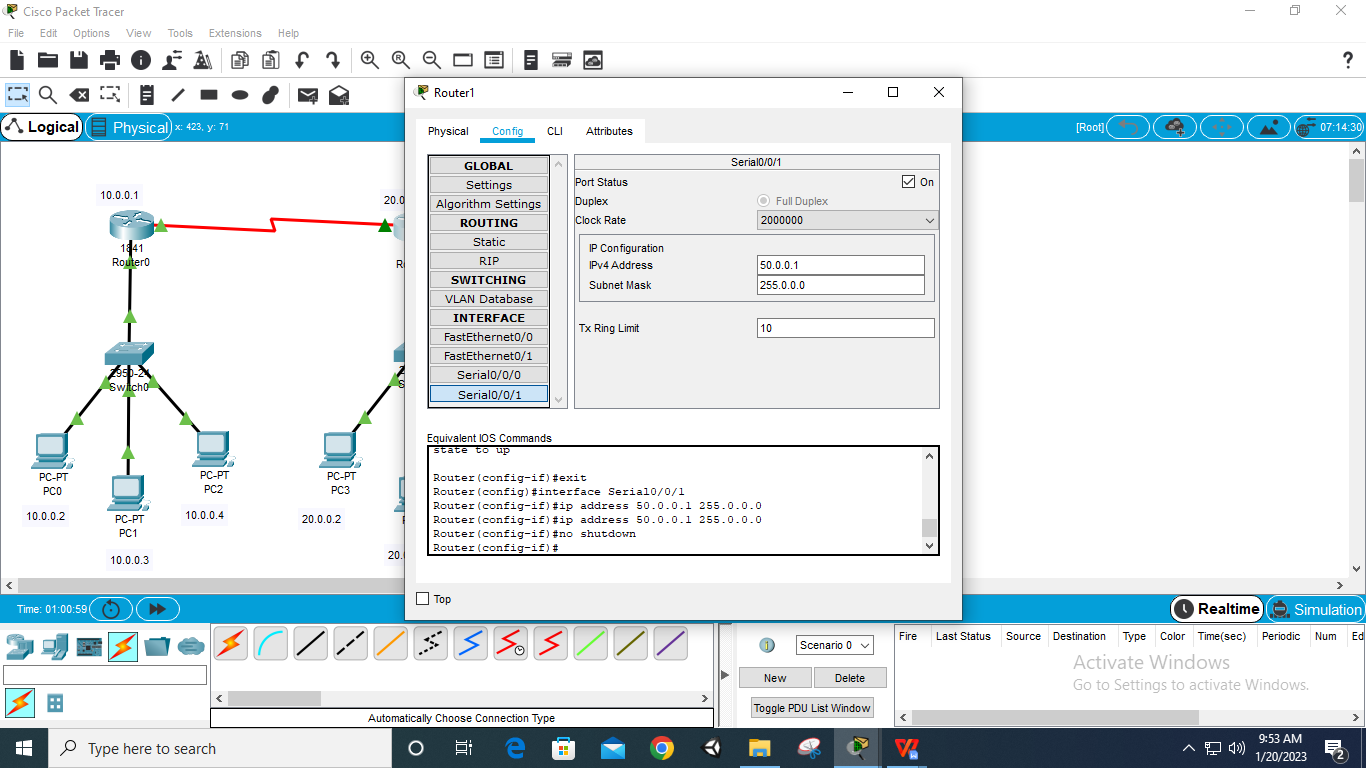
**Step 10: Select first Router – Config – Serial 0/0/0 – set IP – 40.0.0.1 – on the Port**



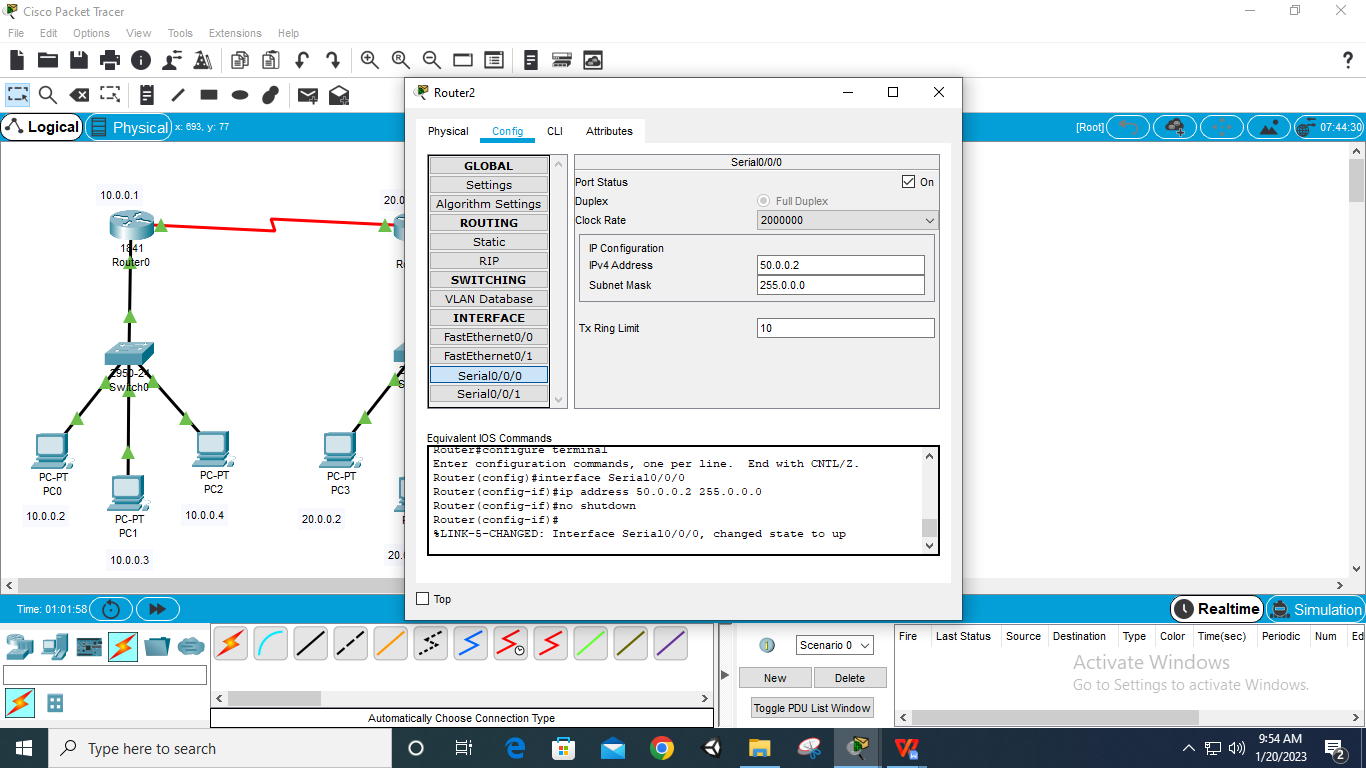
**Step 11: Select second Router – Config – Serial 0 0/0 – set IP – 40.0.0.2 – on the Port**



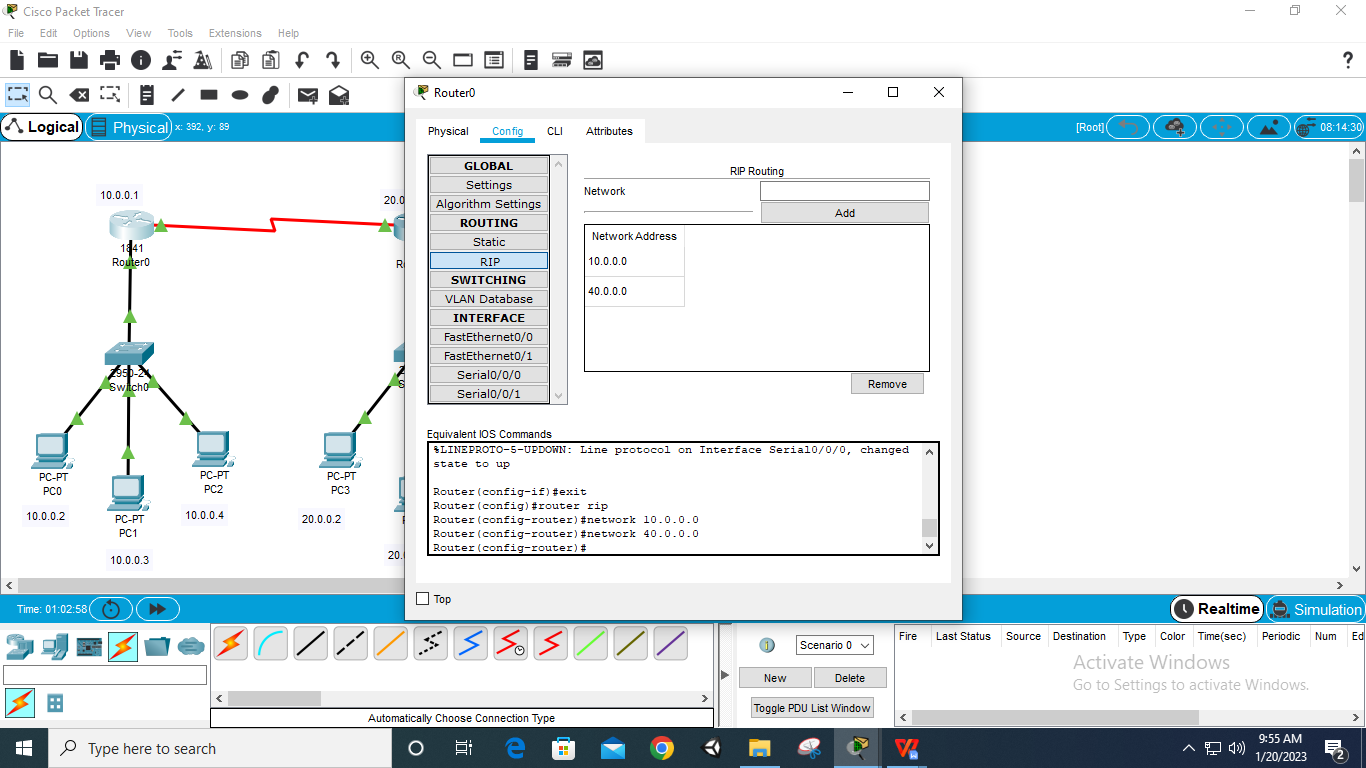
**Step 12: Select second Router – Config – Serial 0/0/1 – set IP – 50.0.0.1 – on the Port**



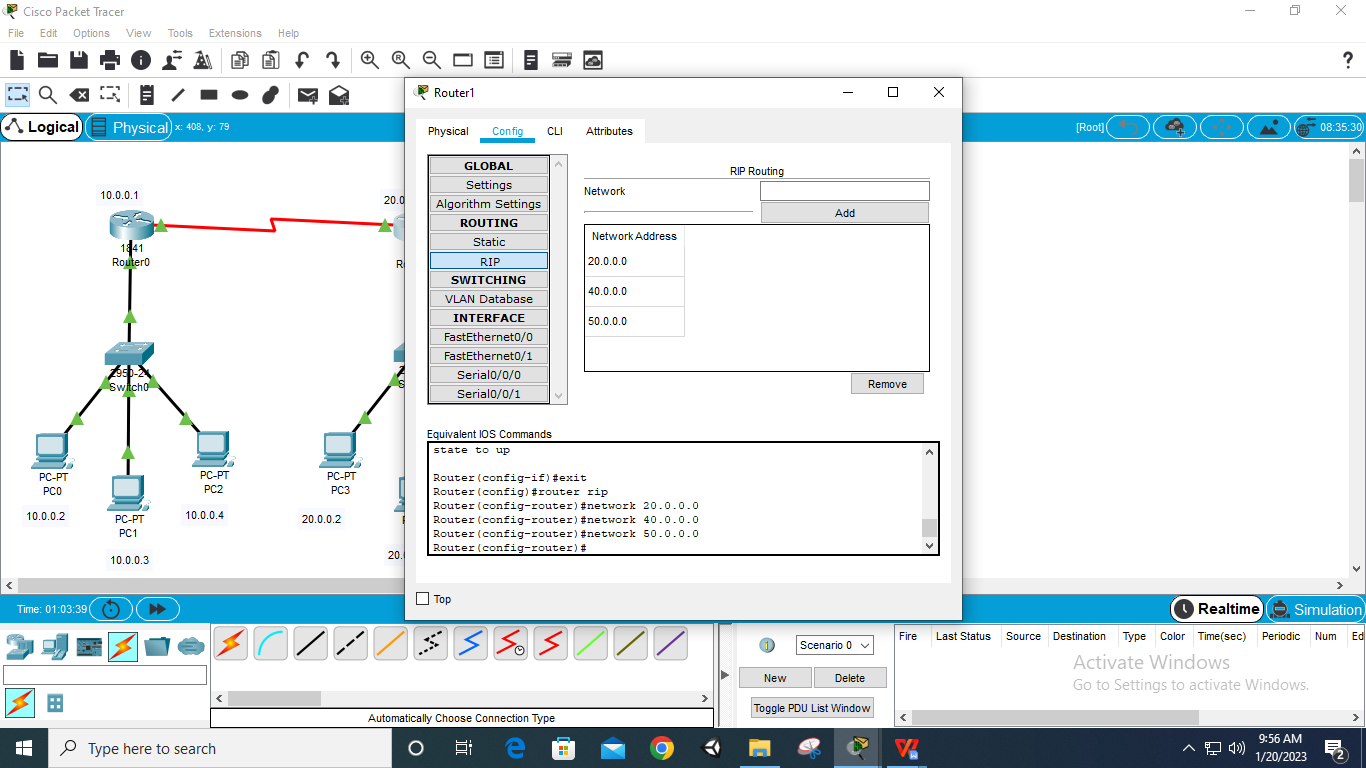
**Step 13: Select third Router – Config – Serial 0/0/0 – set IP – 50.0.0.2 – on the Port**



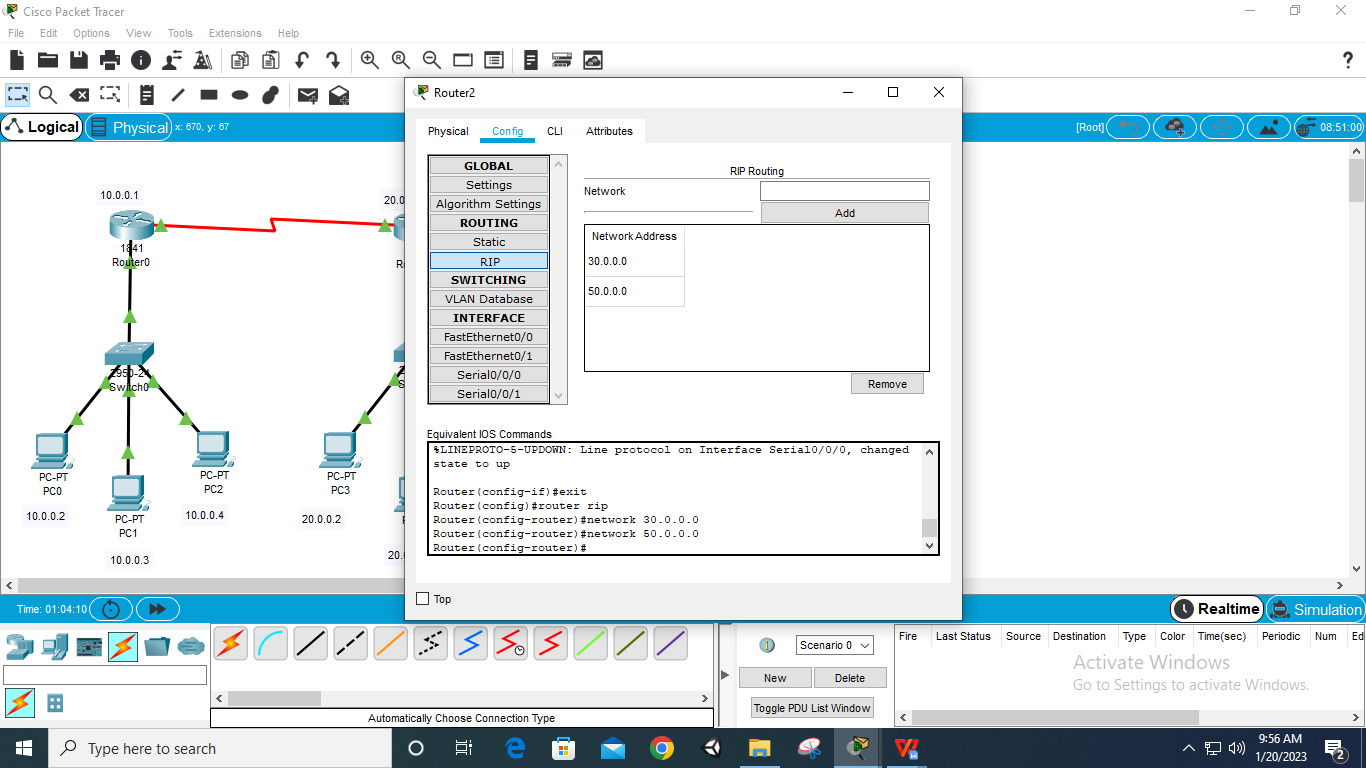
**Step 14: Select first router – config – RIP – Network – add 10.0.0.0, add 40.0.0.0**

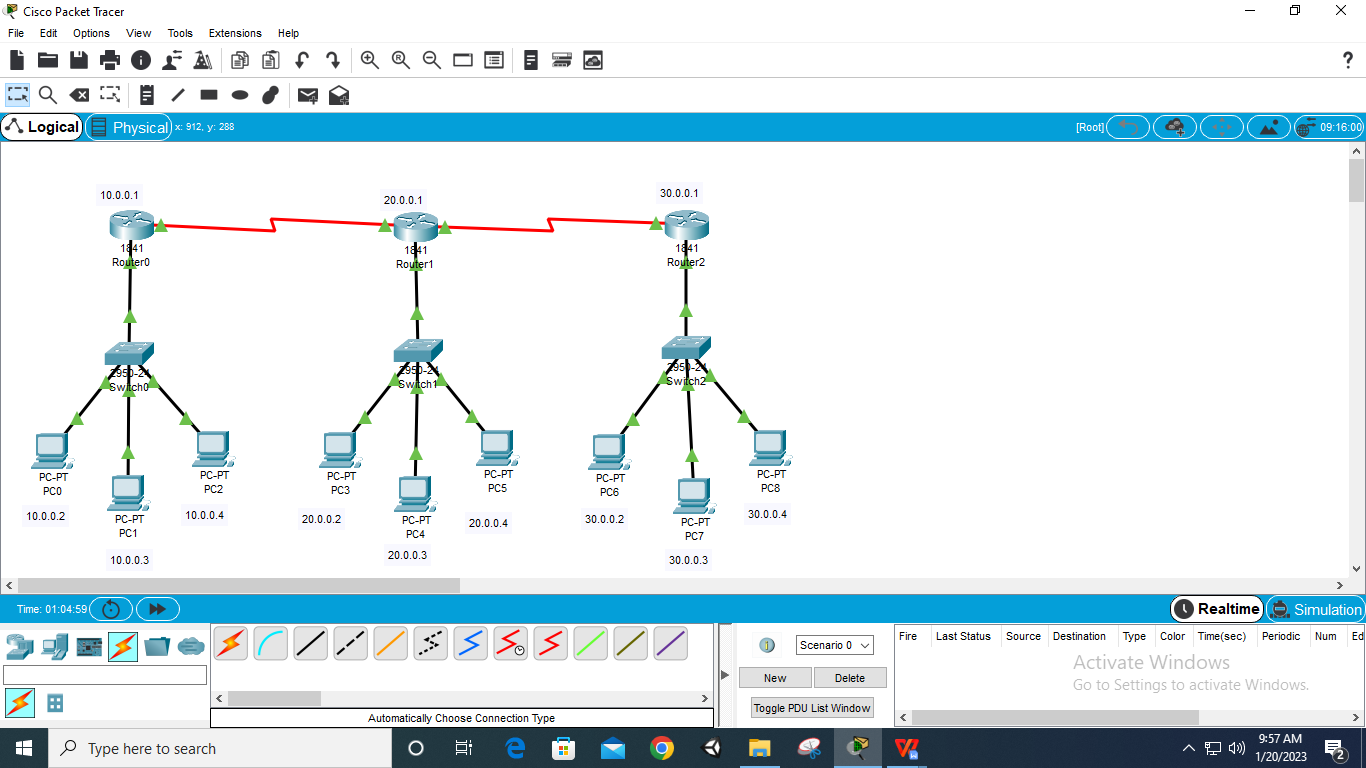


**Step 15: Select Second router – config – RIP – Network – add 20.0.0.0, add 40.0.0.0 and add 50.0.0.0**

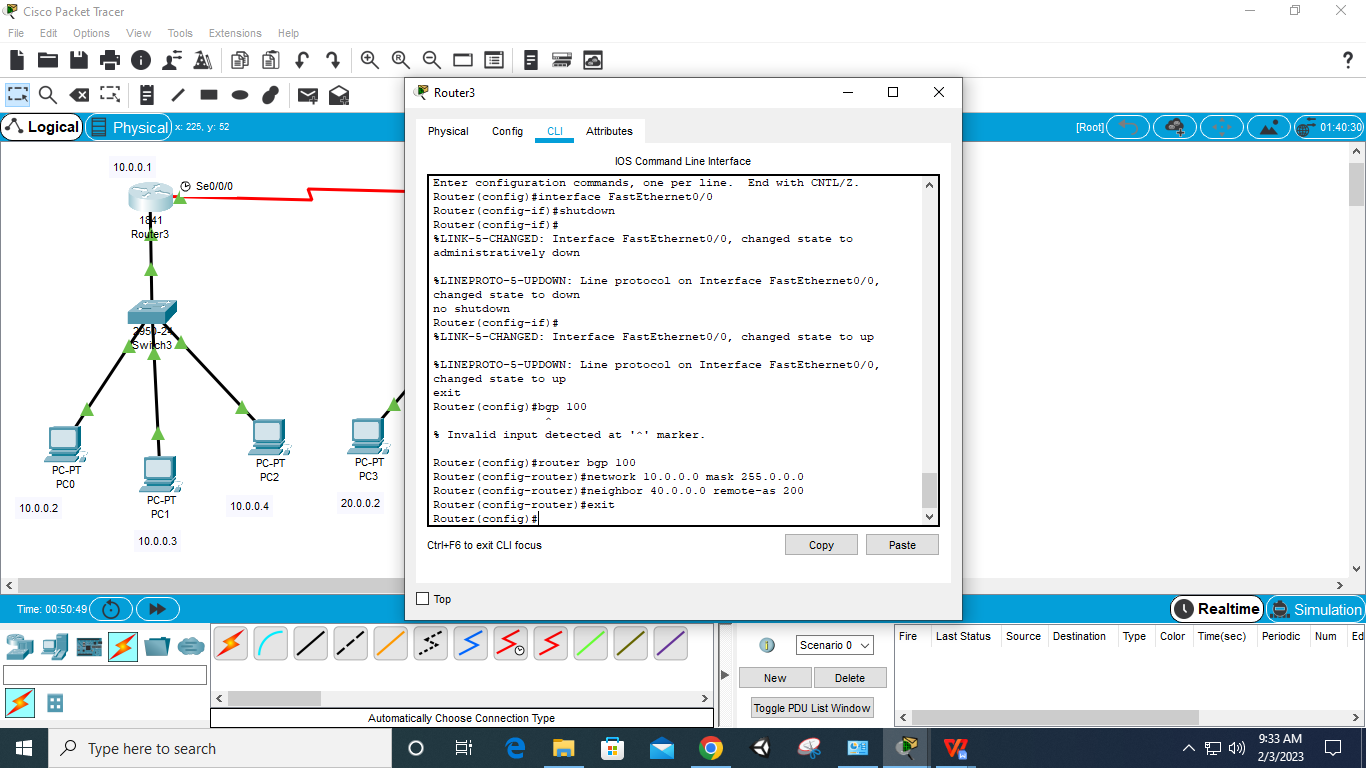


**Step 16: Select Third router – config – RIP – Network – add 30.0.0.0, add 50.0.0.0**

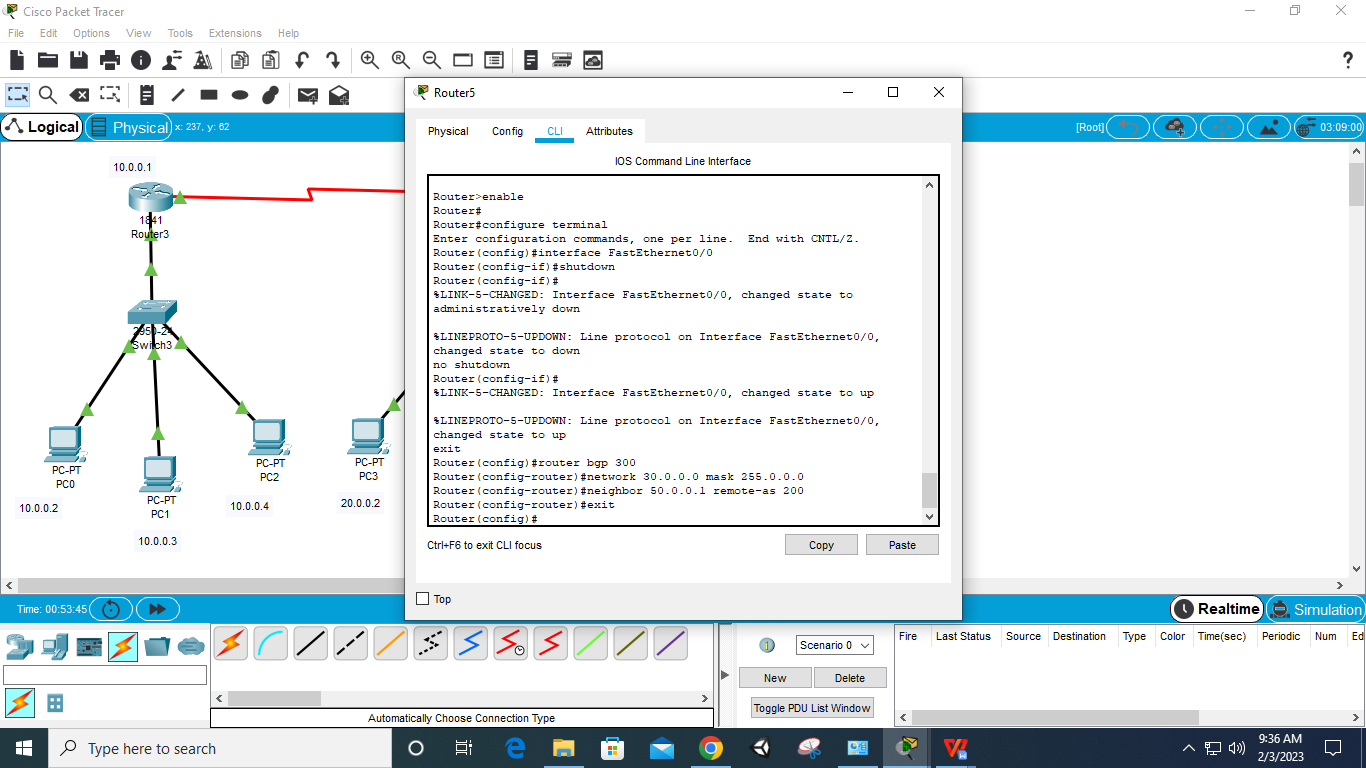




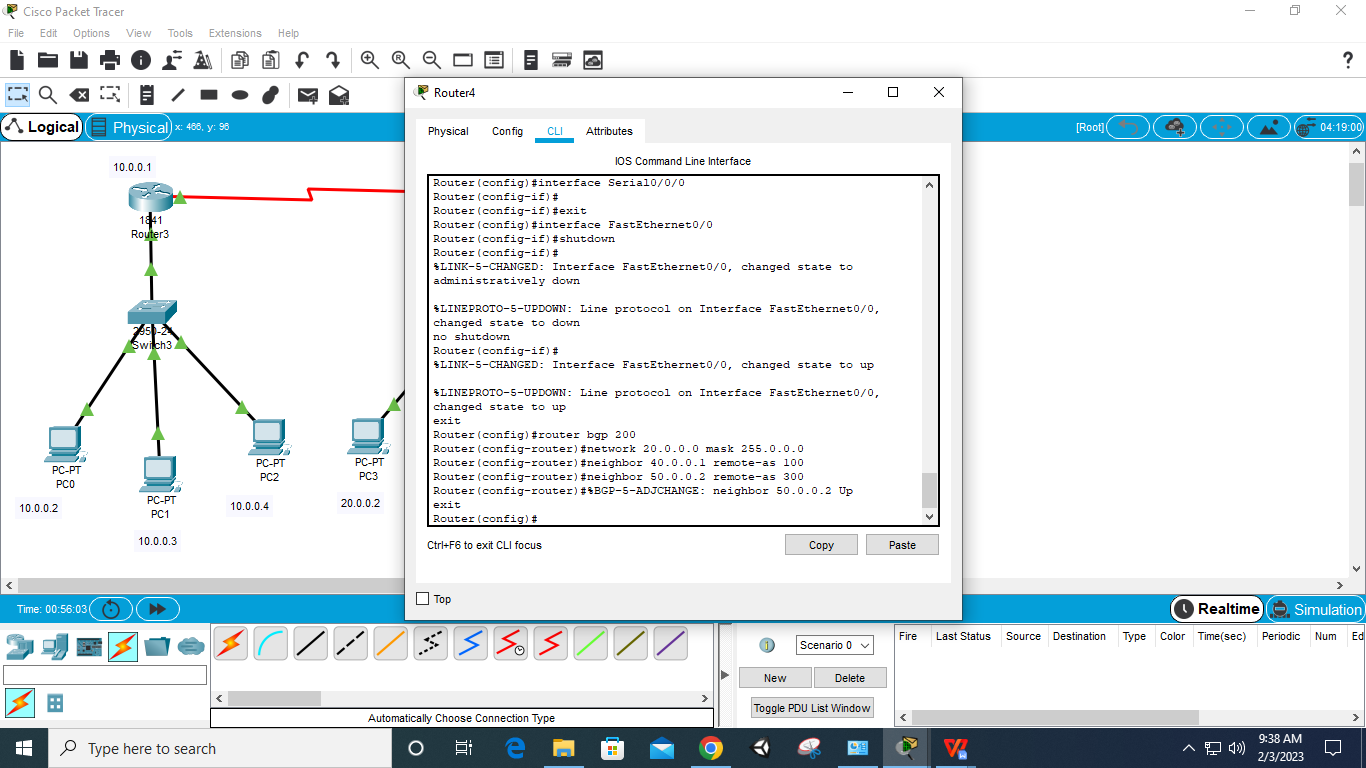
**Step 17: Select First Router – CLI – ‘exit’ command – Click Enter – ‘router bgp 100’ command – enter commands ‘network 10.0.0.0 mask 255.0.0.0’, ‘neighbor 40.0.0.2 remote-as 200’, ‘exit’.**



**Step 18: Select Third Router – CLI – ‘exit’ command – Click Enter – ‘router bgp 300’ command – enter commands ‘network 30.0.0.0 mask 255.0.0.0’, ‘neighbor 50.0.0.1 remote-as 200’, ‘exit’.**



**Step 19: Select Second Router – CLI – ‘exit’ command – Click Enter – ‘router bgp 200’ command – enter commands ‘network 20.0.0.0 mask 255.0.0.0’, ‘neighbor 40.0.0.1 remote-as 100’, ‘neighbor 50.0.0.2 remote-as 300’, ‘exit’.**



**Step 20: Assign Packets**

