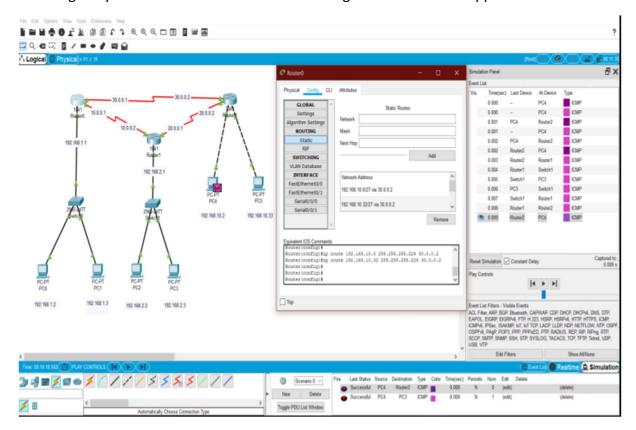
Sankalp Mishra RA1911028010110 J1 CSE-CC

Experiment 6

AIM: Demonstration of RIP V1 with 3 Routers

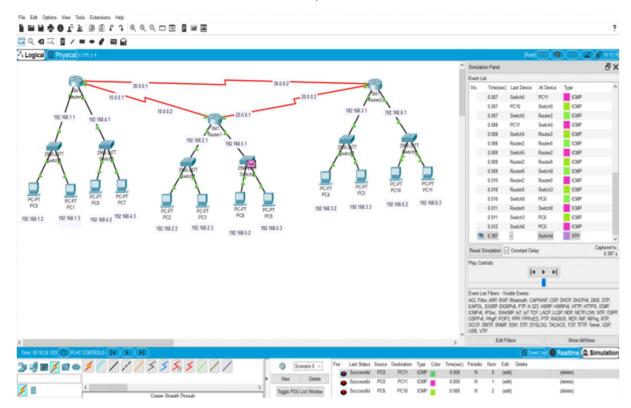


1. Assign any network with classless IP addressing and check what happens?

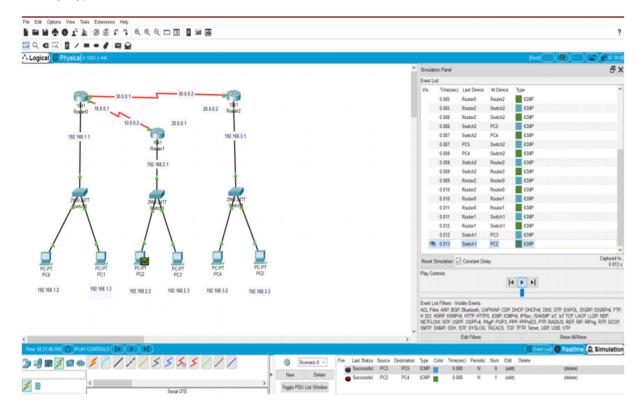


Yes, it's possible Assign any network with classless IP addressing and the PDU packets are being transferred successfully.

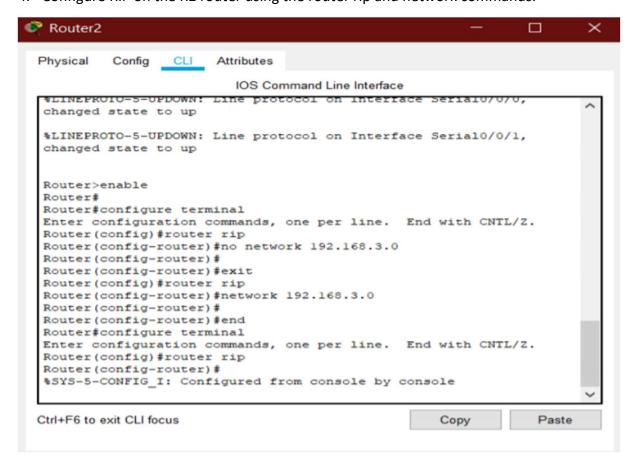
2. Create six different network and check its possible?

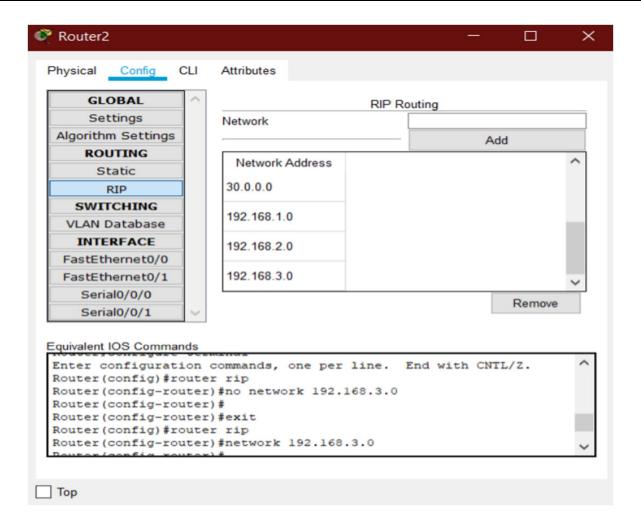


3. Disconnect any one serial connection between the router and check how the data flows?

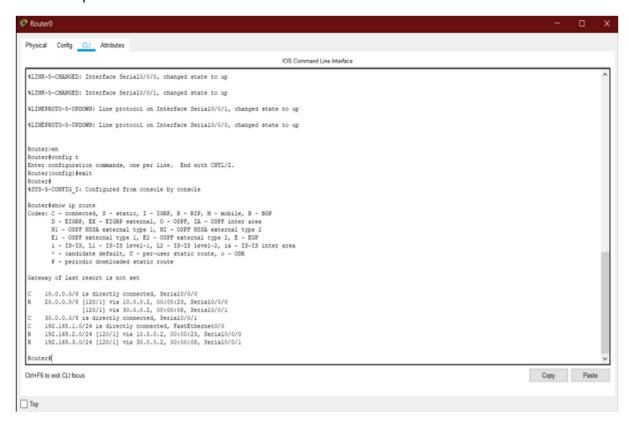


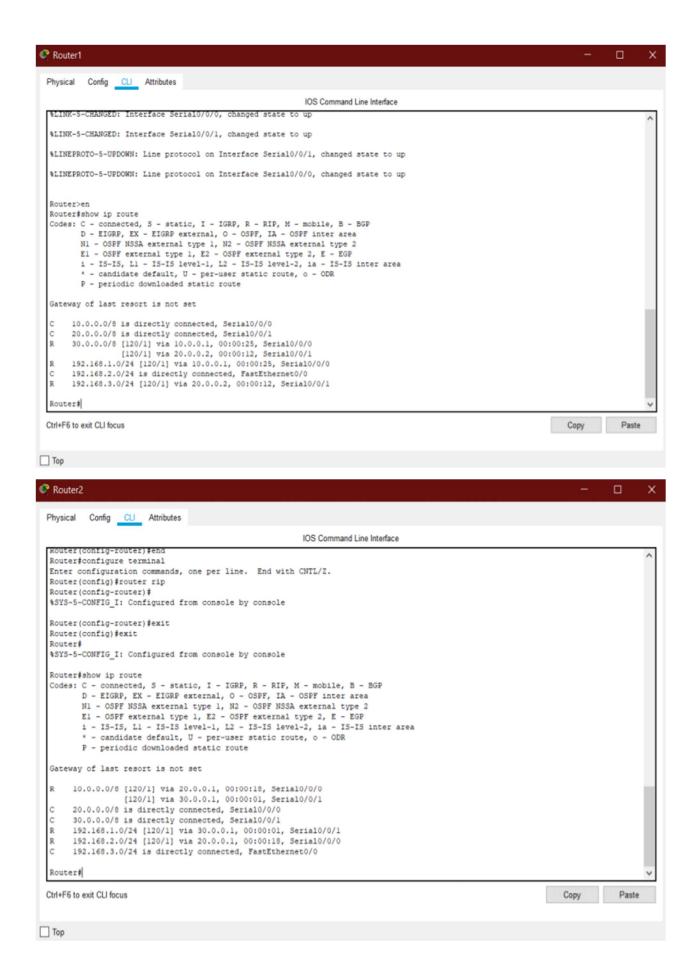
4. Configure RIP on the R2 router using the router rip and network commands.



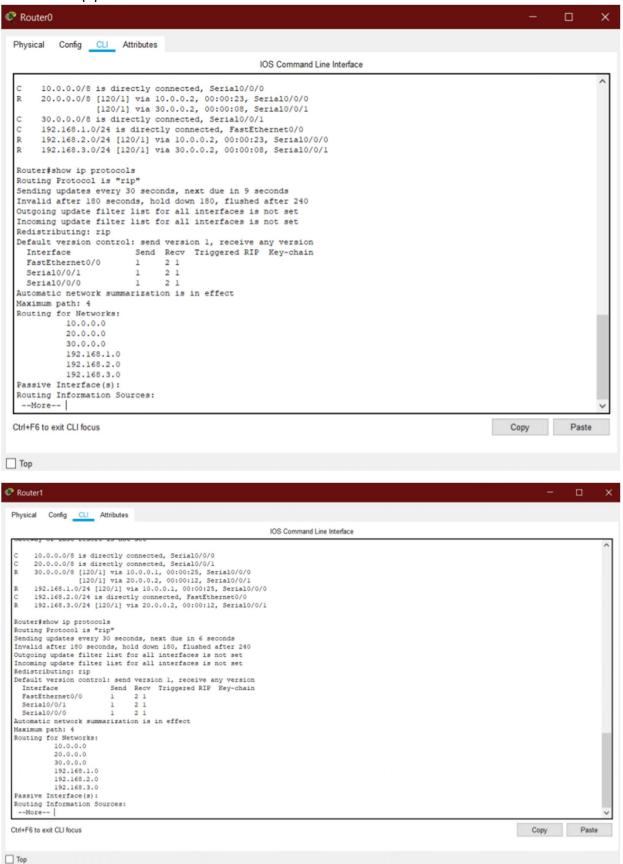


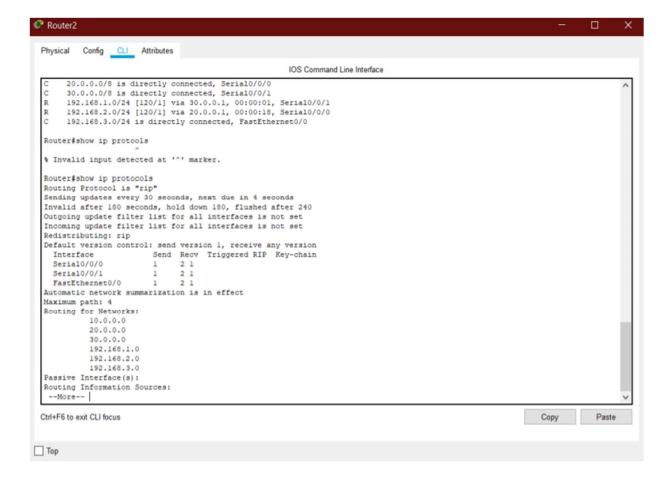
- 5. Give the commands in each router 0,1, and 2 and comment on the output.
- a. show ip route



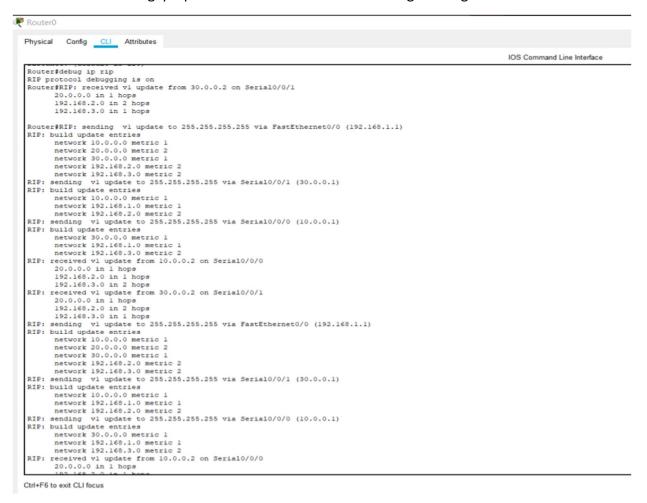


b. show ip protocols





6. Use the debug ip rip command to view the RIP messages being sent and received.



7. Discontinue the debug output with the undebug all command

Router#undebug all All possible debugging has been turned off Router#

RESULT: Hence, demonstration of RIP V1 is verified using CISCO Packet Tracer.