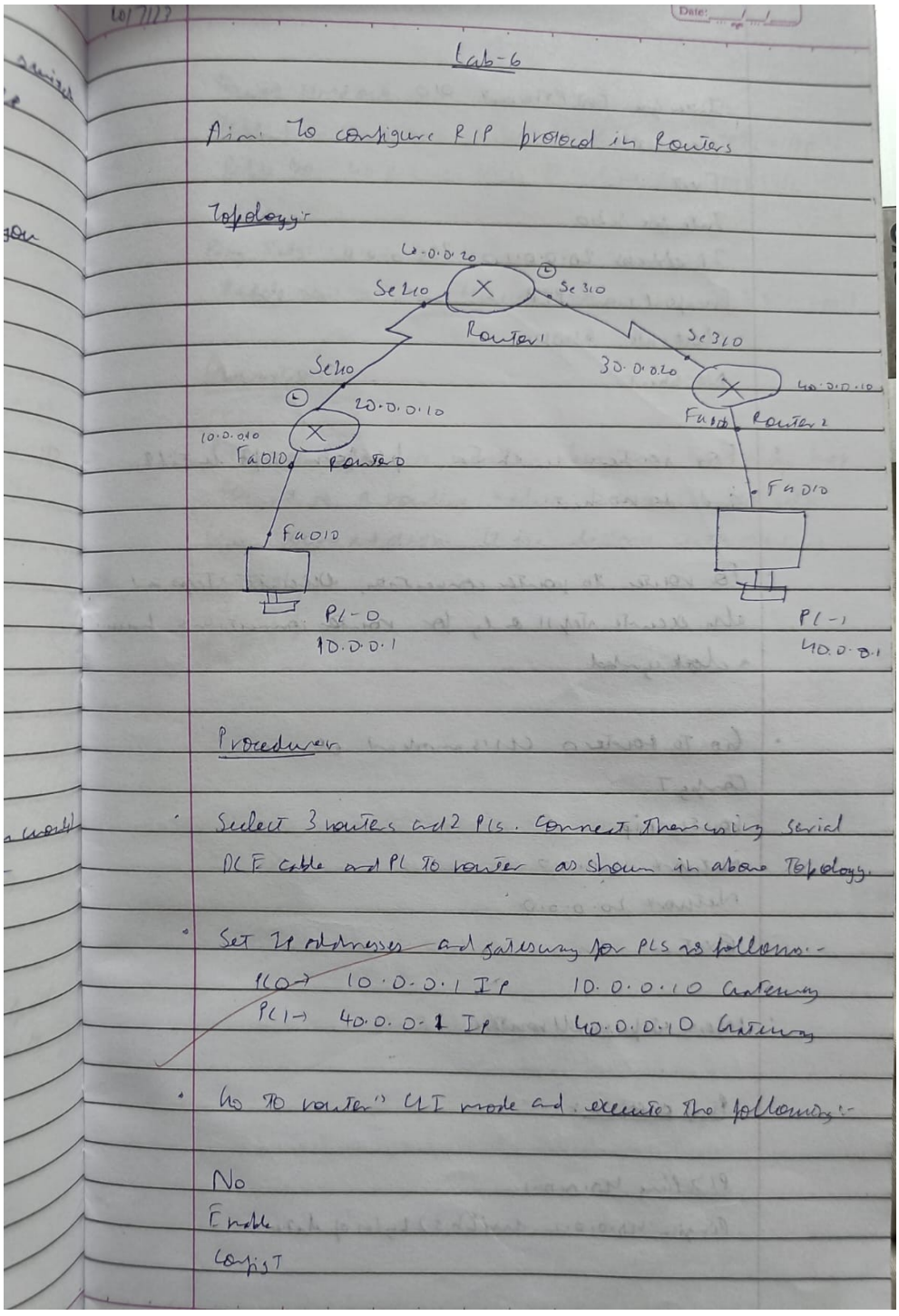
WEEK 6

Configure RIP routing Protocol in Routers.

OBSERVATION:



Interface FastEthernet 0/0
No shut
Exit
Interface Se2/0
IP address 20.0.0.1 255.0.0.0
Encapsulation - PPP
clock rate 64000
No shut

- For routers with Fa, perform steps until 8, and do no shut.
- Fa route to router connection, execute steps 1 also execute step 11 only for router connections have a clock symbol
- Go to router 0 CLI's mode and execute:
Config T
router rip
Network 10.0.0.0
Network 20.0.0.0
Exit
- Repeat steps to all routers.

Ping output:

PC> Ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data

Date: __/__/__

Request timed out

Reply from 40.0.0.1 : bytes = 32 time: 8ms TTL = 125

Reply from 40.0.0.1 : bytes = 32 time: 8ms TTL = 125

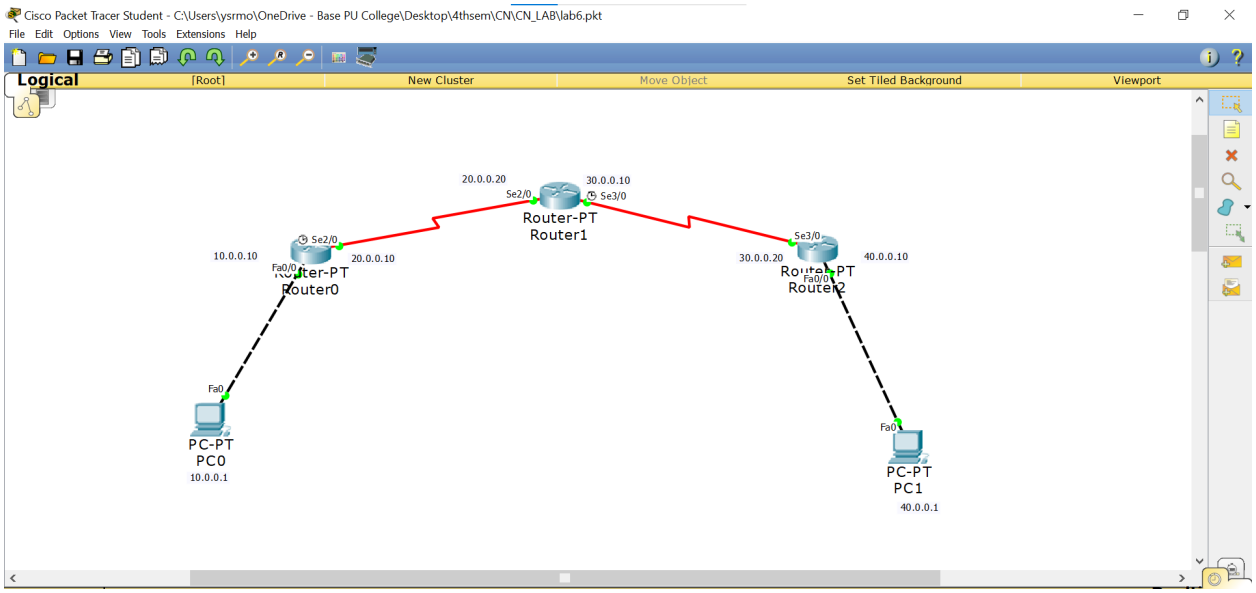
Ping STATS:

Packets: Sent = 4 Received = 3, Sent = 1 (25% Loss)

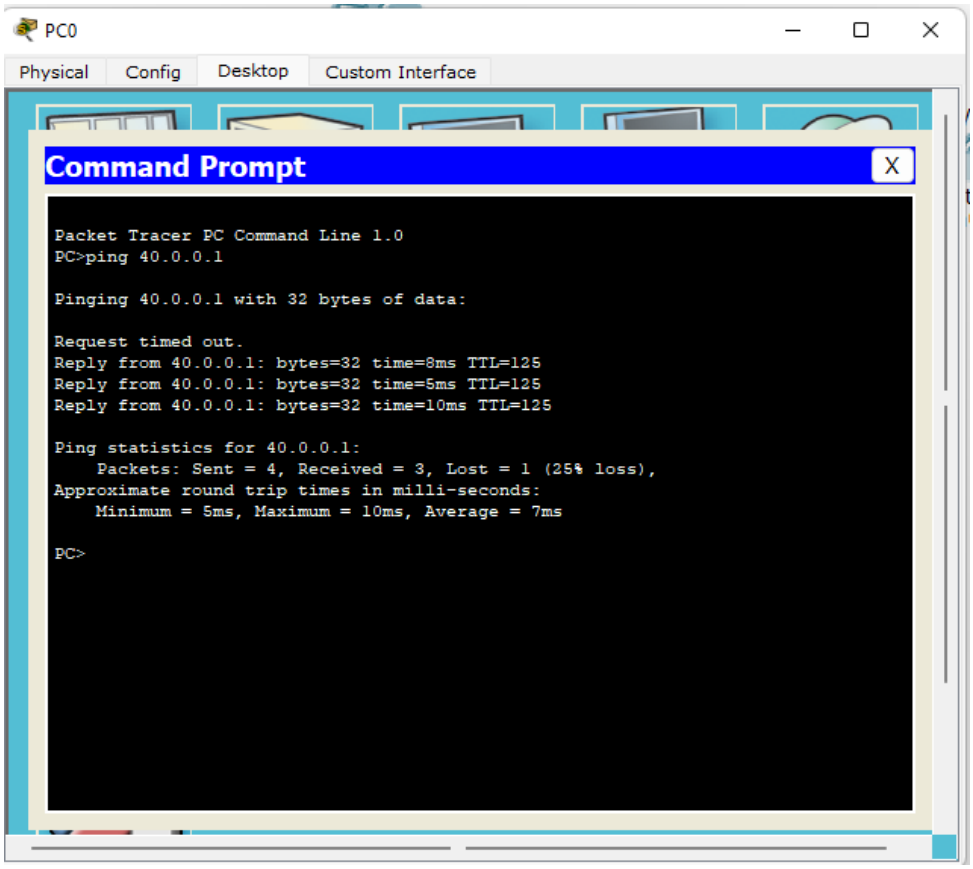
Observation:

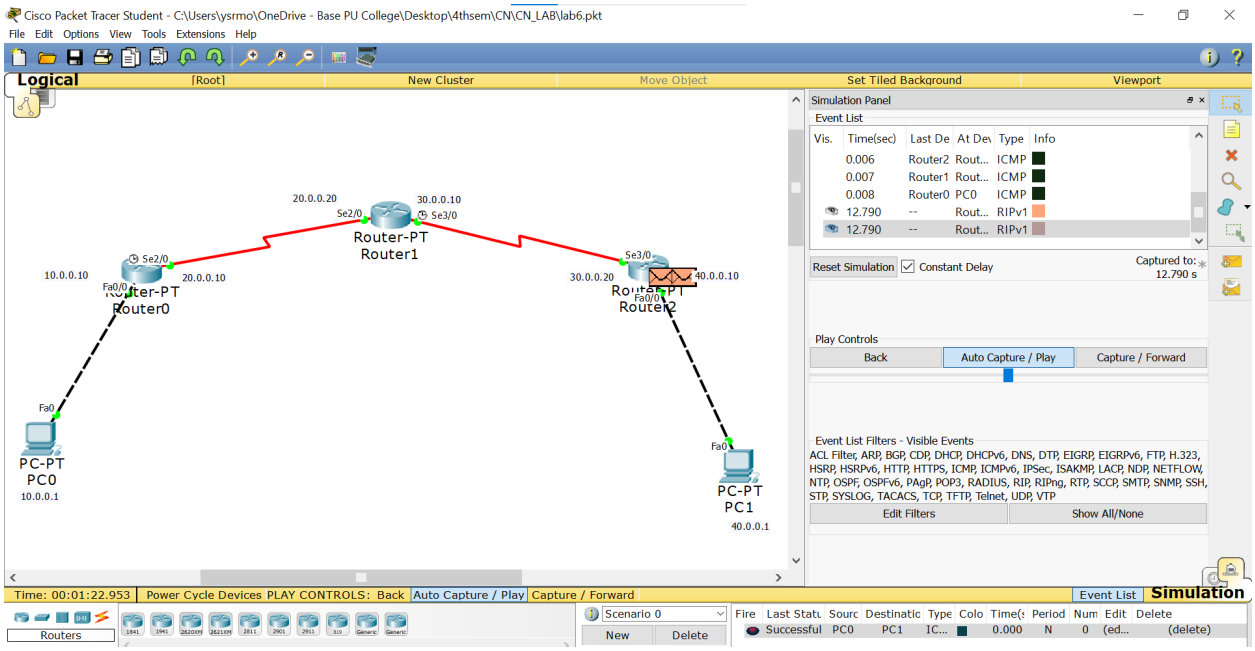
- RIP is a dynamic routing protocol that uses hop count as a routing metric to find the best path btw source and dstn. It is a distance-vector routing protocol.

TOPOLOGY:



OUTPUT:




Cisco Packet Tracer Student - C:\Users\ysrmo\OneDrive - Base PU College\Desktop\4thsem\CN\CN_LAB\lab6.pkt
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
20.0.0.20
Se2/0
30.0.0.10
Se3/0
Router-PT
Router1
10.0.0.10
Fa0/0
Se2/0
20.0.0.10
Router0
Se3/0
30.0.0.20
40.0.0.10
Fa0/0
Router2
Fa0
PC-PT
PC0
10.0.0.1
Fa0
PC-PT
PC1
40.0.0.1
Simulation Panel
Event List
Vis. Time(sec) Last De At Dev Type Info
0.006 Router2 Rout... ICMP
0.007 Router1 Rout... ICMP
0.008 Router0 PC0 ICMP
12.790 -- Rout... RIPv1
12.790 -- Rout... RIPv1
Reset Simulation
Constant Delay
Captured to:
12.790 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
ACL Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP
Edit Filters
Show All/None
Time: 00:01:22.953
Power Cycle Devices PLAY CONTROLS: Back
Auto Capture / Play
Capture / Forward
Event List
Simulation
Routers
Scenario 0
New
Delete
Fire Last Statu Sourc Destinatic Type Colo Time(s Period Num Edit Delete
Successful PC0 PC1 IC... 0.000 N 0 (ed... (delete)