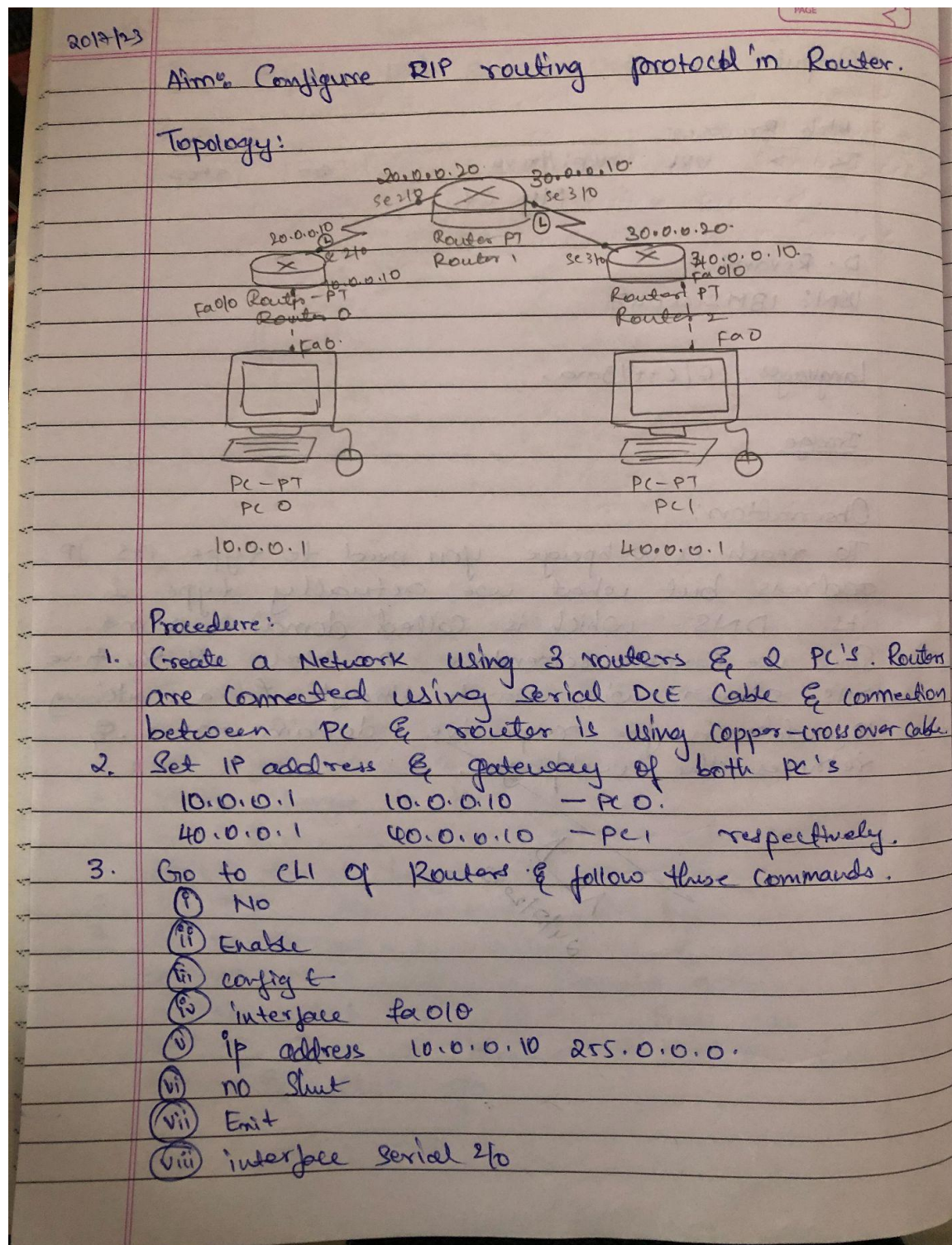


Aim: Configure RIP routing Protocol in Routers

Observation:



- DATE / /
PAGE
- (ix) interface ip address 20.0.0.10 255.0.0.0.
 - (x) Encapsulation ppp.
 - (xi) clock rate 64000.
 - (xii) no shut.

4. Go to router 0 cli & follow these steps:

- (i) config T
- (ii) router rip.
- (iii) network 10.0.0.0
- (iv) network 20.0.0.0
- (v) exit.

5. Repeat these to all routers.

6. Go to PC 0 command prompt and ping PC 1.

Output:

pc > ping 40.0.0.1
pinging 40.0.0.1 with 32 bytes of data:

Request timed out.

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

Reply from 40.0.0.1: bytes=32 time: 5ms TTL=125

Reply from 40.0.0.1: bytes=32. time: 10ms TTL=125

Ping Statistics for 40.0.0.1:

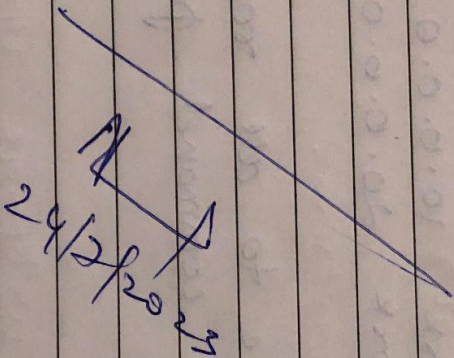
Packets: sent 4, Received=3, Lost=1 (25% loss).

Approximate round trip times in milliseconds.

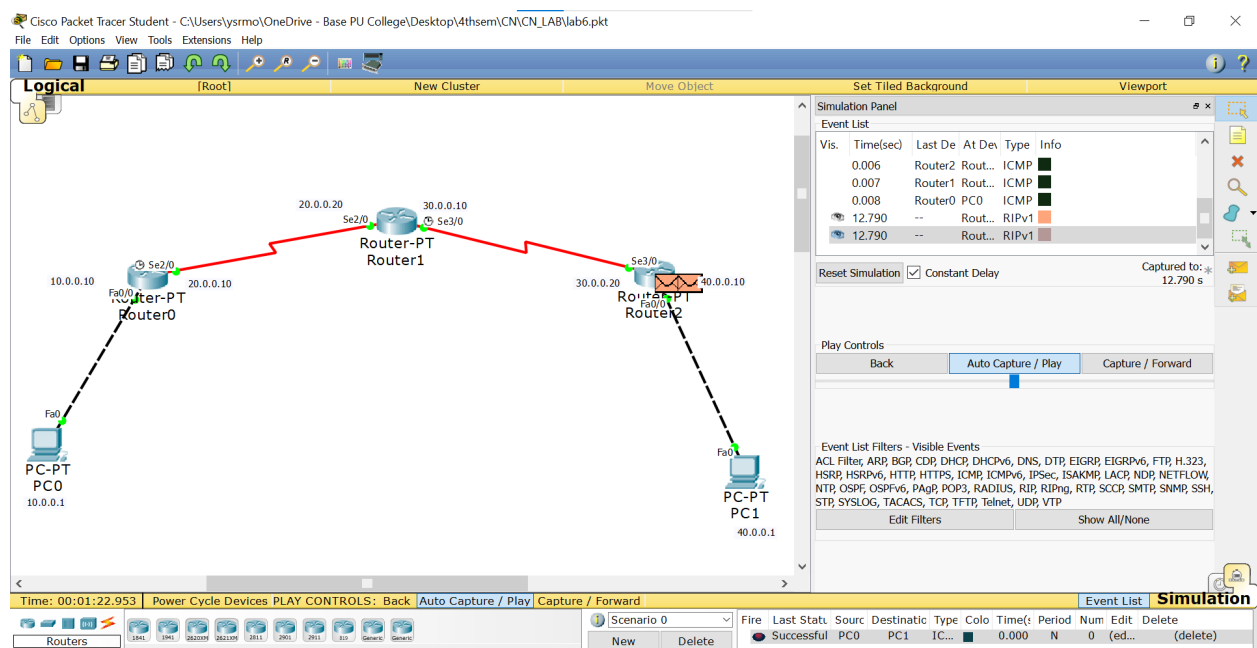
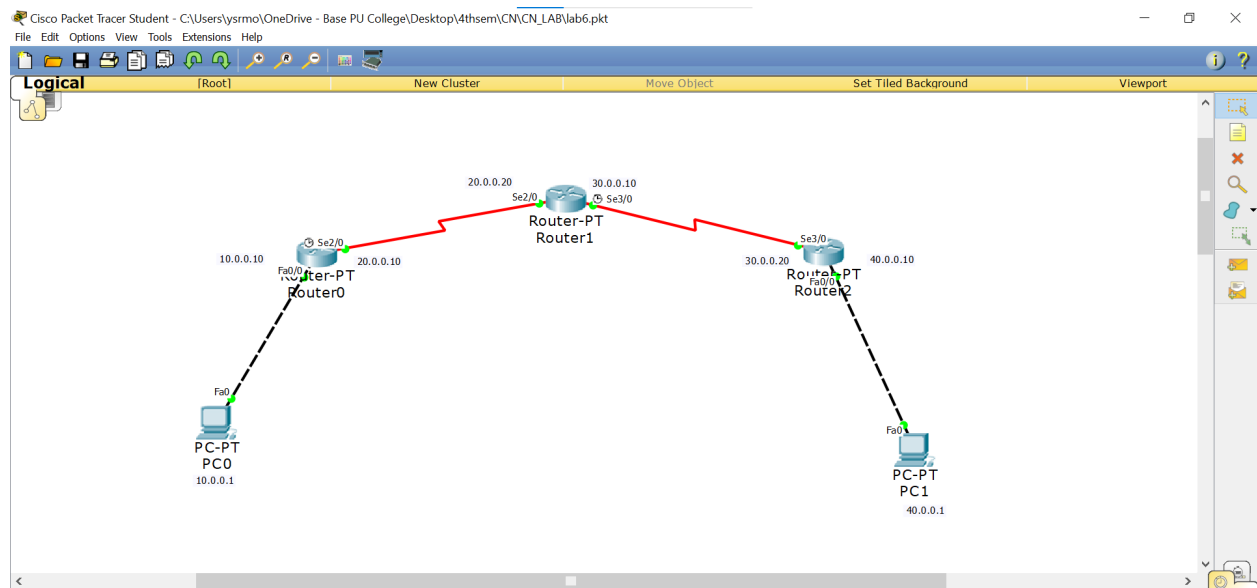
Minimum=5ms, Maximum=10ms, Average=7ms.

Observation:

Routing Information Protocol (RIP) is a dynamic routing protocol that uses hop count as routing metric to find best path between source & destination. It is a distance vector routing protocol. Hop count is no. of routers between source & destination.



Topology:



Output:

