

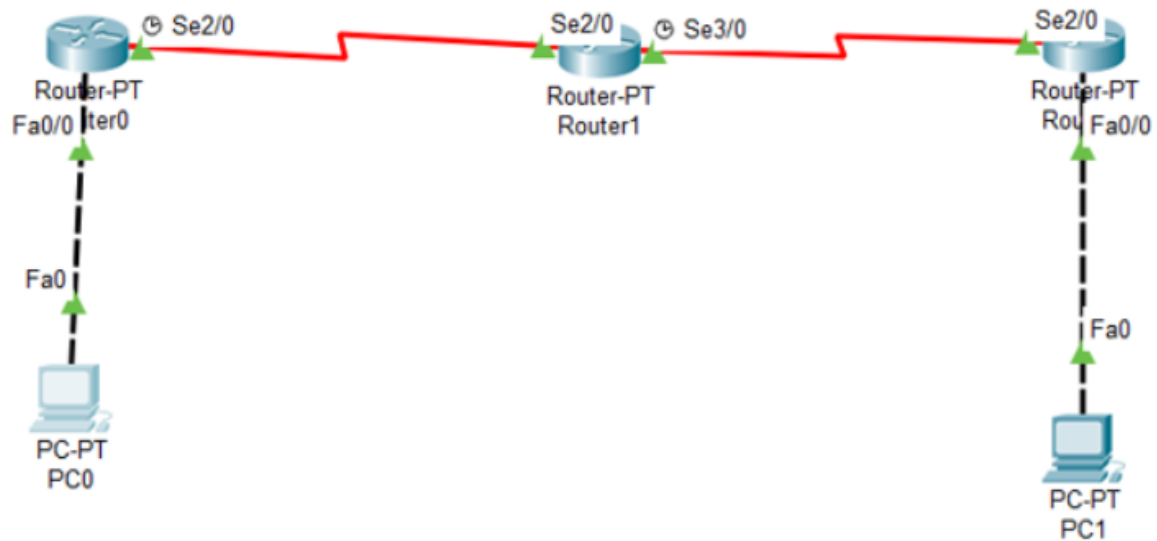
LAB5

Shiva Praneeth Kodali

1BM18CS100

RIP PROTOCOL:

Topology:



OUTPUT:

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>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=10ms TTL=125
Reply from 40.0.0.1: bytes=32 time=6ms TTL=125
Reply from 40.0.0.1: bytes=32 time=11ms TTL=125
Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 11ms, Average = 9ms
C:\>
```

Write-up:

Lab 5

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RIP protocol collects information of other routers from their neighbours

configure router using RIP:-

```
R0: #interface serial 2/0
    # encapsulation ppp
    # clock rate 64000
    # exit

    #router rip
    # network 10.0.0.0
    # network 20.0.0.0
    # exit
```

```
R1: #interface serial 2/0
    # encapsulation ppp
    # exit
    #router rip
    # network 20.0.0.0
    # network 30.0.0.0
    # exit
```

Do the same with R1 & R2 with all networks.
once config is done, we can send packets.

i.e ping PC1 from PC0
Ping 40.0.0.10