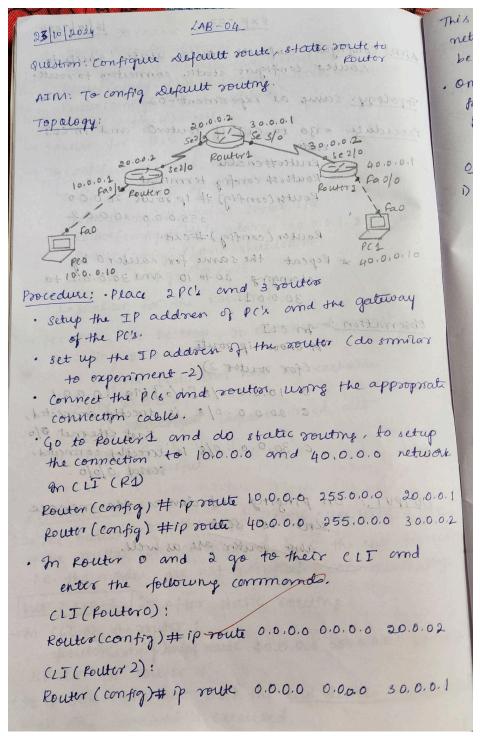
Observation Book:



This step is called default souting, in this if any network packet other than connected network will be paired to specified eauter.

. Ona the configuration is complete, we can now pro from the end device to other \$0.0.0.0\8 is directly connected send 010.0.0.08

40.0.0.0/8 [1/0] via 30.0.0

OBSERVATION :-

D on prigne from one end device to other static and actaul reway and 01.0.0.00 smg prigning 40.0.0.10 with 32 bytes of data. Reply from 40.0.0.10 bytes = 32 time=2ms TTL = 253

Reply from 40.0.0.10 bytes = 32 time= 2ms TTL = 253 Reply from 40.0.0.10 bytes=32 time=gns TTL= 253 Reply from 40.0.0.10 bytes = 32 trm= 10 ms 7TL= 253

Pmg statistics for 40,0.0.2.

'Packeti: sent=4, Recieved=4, lost 0 (0% Loss)

2) In Pouter 0 Router # show ip route

gateway of last router is 20,0.0.2 to network

ic 10.0.0.0/8 is directly connected, Fast Ethernet 0/0

c. 20.0.0,0/8 is directly connected, serial 2/0

8. 0.0.0.0 /0 [1/0]

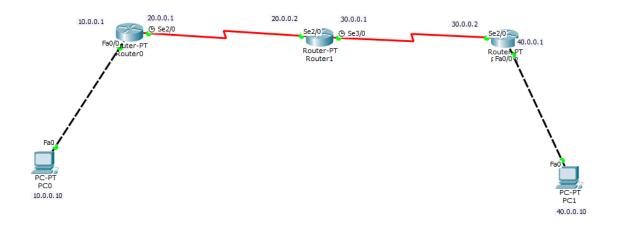
(8maitar output for Router 2).

In Pouter 1, grown thurst ob siles si Router # show ip route most some some some Gateway of Last resort is not set 8 10.0.0.0/8 EyoJ Wra 20.0.0, pupilines on pro c 20.0.0.0/8 is direttly cornected, serial 2/0 c 30.0.0.0/8 is direttly connected, serial 3/0 s 40.0.0.0/8 [1/0] via 30.0.0.2 Through this experiment, we learnt ion how to connect 3 or more networks by the concept of

static and default souting and we also sent messages from end device to other

Egly from 4000 to byto = 32/4mersms T

Topology:



Output:

```
₹ PC0
                                                                                                  Desktop
Physical
             Config
                                    Custom Interface
   Command Prompt
                                                                                                      Χ
    Pinging 40.0.0.10 with 32 bytes of data:
    Request timed out.
    Reply from 40.0.0.10: bytes=32 time=10ms TTL=125 Reply from 40.0.0.10: bytes=32 time=7ms TTL=125
    Reply from 40.0.0.10: bytes=32 time=7ms TTL=125
    Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds:
         Minimum = 7ms, Maximum = 10ms, Average = 8ms
    PC>ping 40.0.0.1
    Pinging 40.0.0.1 with 32 bytes of data:
    Reply from 40.0.0.1: bytes=32 time=2ms TTL=253
    Reply from 40.0.0.1: bytes=32 time=2ms TTL=253 Reply from 40.0.0.1: bytes=32 time=8ms TTL=253
    Reply from 40.0.0.1: bytes=32 time=10ms TTL=253
    Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
         Minimum = 2ms, Maximum = 10ms, Average = 5ms
    PC>SsS
```

