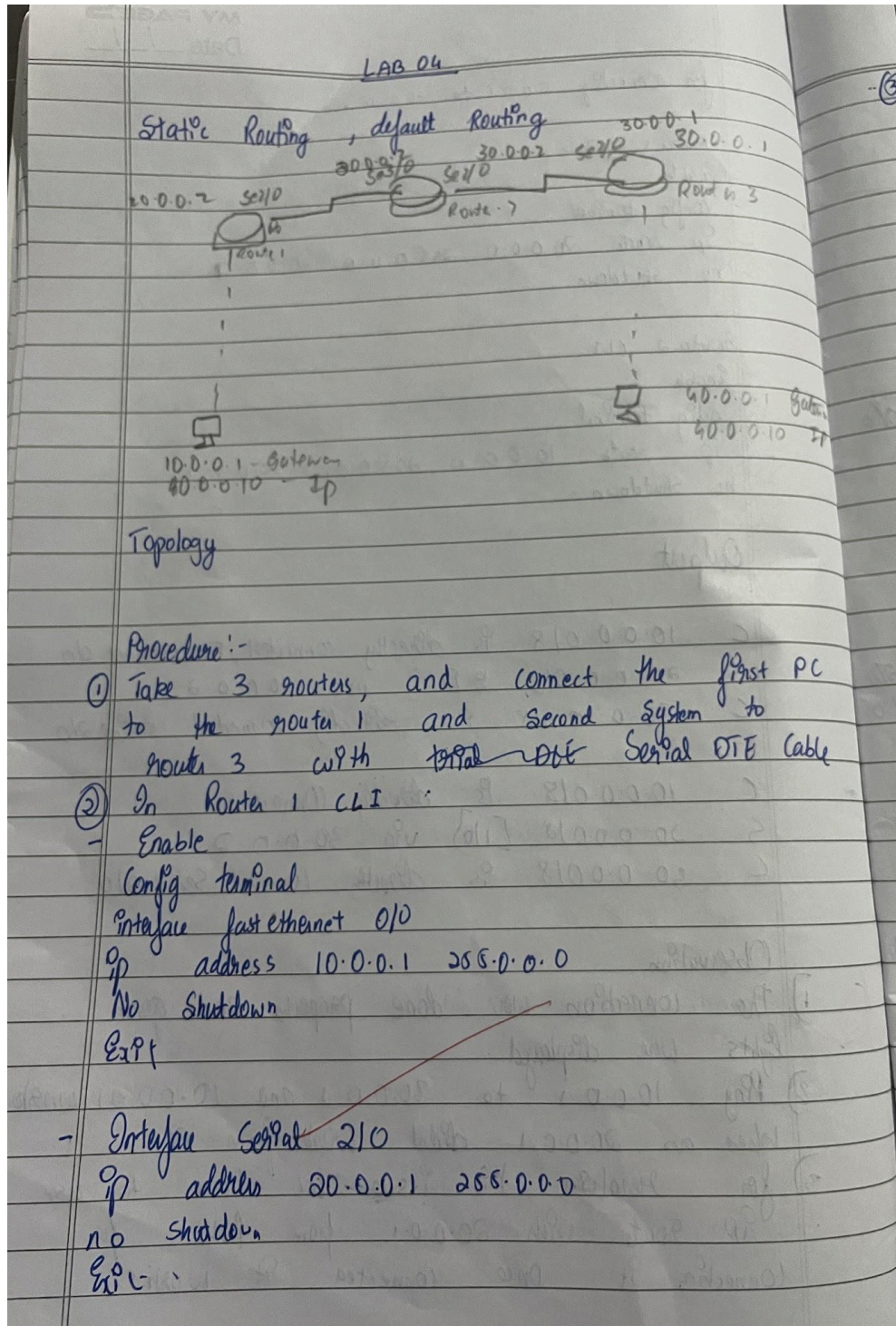


Program 4

Aim: Configure default route, static route to the Router (Part 2).

Topology , Procedure and Observation:



③ In Router 3 CLI

Enable

Config terminal

interface fastEthernet 0/0

ip address 40.0.0.1 255.0.0.0

No shutdown

exit

interface Serial 2/0

ip address 30.0.0.21 255.0.0.0

No shutdown

exit

⇒ In Router 2 CLI

Enable

Config terminal

interface Serial ~~2/0~~ 2/0

ip address 20.0.0.2 255.0.0.0

No shutdown

Exit

interface Serial 3/0

ip address 30.0.0.2 255.0.0.0

Exit

④ Static Configuration for

- Router 1

ip route 0.0.0.0 0.0.0.0 20.0.0.2

- Router 2

ip route 0.0.0.0 0.0.0.0 30.0.0.1

for Router 2:

ip route 10.0.0.0 255.0.0.0 20.0.0.1
ip route 40.0.0.0 255.0.0.0 30.0.0.1

Observation

Router 1

C 10.0.0.0/8 is directly connected FastEthernet 0/0
C 20.0.0.0/8 is directly connected, Serial 2/0
S* 0.0.0.0/0 [1/0] via 20.0.0.2

Router 2

S 10.0.0.0/8 [1/0] via 20.0.0.2
C 20.0.0.0/8 is directly connected Serial 2/0
C 30.0.0.0/8 is directly connected Serial 3/0
S 40.0.0.0/8 [1/0] via 30.0.0.2

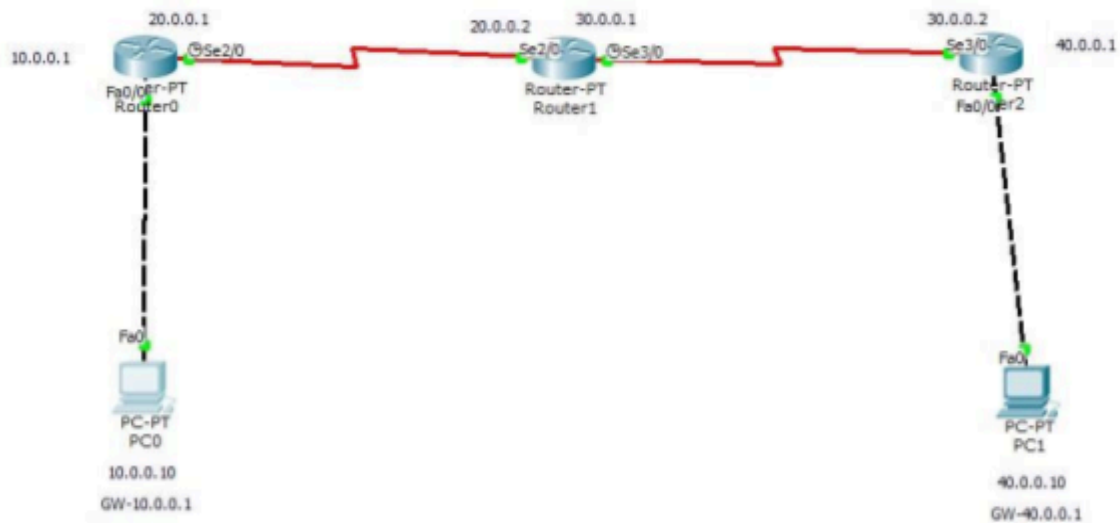
Router 3

C 30.0.0.0/8 is directly connected Serial 2/0
C 40.0.0.0/8 is directly connected FastEthernet 0/0
S* 0.0.0.0/0 [1/0] via 30.0.0.1

On PC1 CLI

ping 10.0.0.1

Replies from 10.0.0.0: bytes 32 time=5ms TTL=253
Successful



PC0

Physical Config Desktop Custom Interface

Command Prompt

```

Pinging 40.0.0.10 with 32 bytes of data:

Request timed out.
Reply from 40.0.0.10: bytes=32 time=7ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
Reply from 40.0.0.10: bytes=32 time=5ms 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 = 5ms, Maximum = 7ms, Average = 6ms

PC>ping 40.0.0.10

Pinging 40.0.0.10 with 32 bytes of data:

Reply from 40.0.0.10: bytes=32 time=8ms TTL=125
Reply from 40.0.0.10: bytes=32 time=7ms TTL=125
Reply from 40.0.0.10: bytes=32 time=9ms TTL=125
Reply from 40.0.0.10: bytes=32 time=6ms TTL=125

Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 9ms, Average = 7ms

PC>
  
```