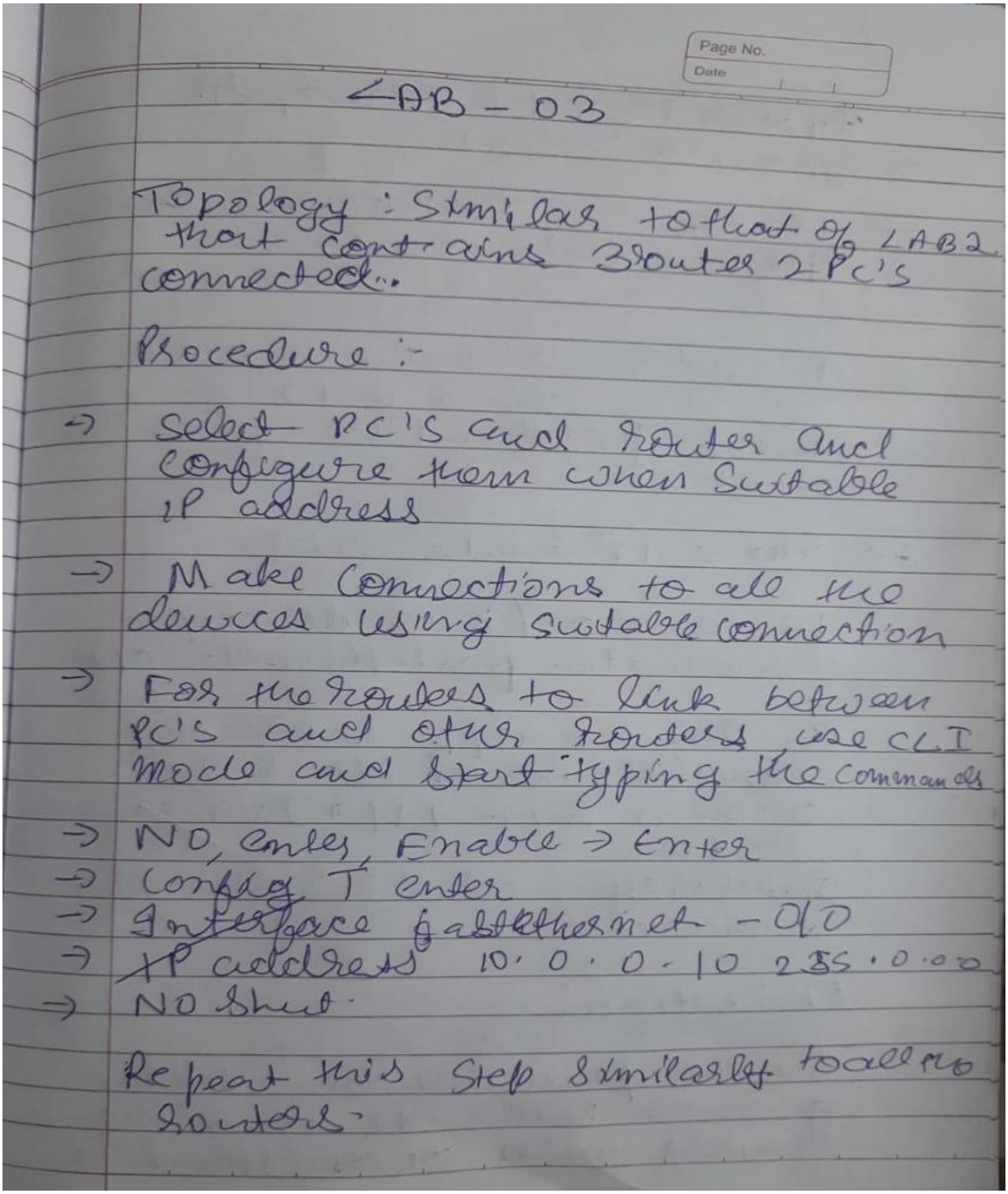
LAB-3

Configure default route, static route to the Router.

OBSERVATION:



LAB - 03

Topology : Similar to that of LAB2 that contains 3 routers 2 PC's connected..

Procedure :-

→ Select PC's and router and configure them when suitable IP address

→ Make connections to all the devices using suitable connection

→ For the routers to link between PC's and other routers use CLI mode and start typing the commands

→ NO, enter, Enable → Enter
→ Config T enter
→ Interface GabitEthernet - 0/0
→ IP address 10.0.0.10 255.0.0.0
→ NO Shut.

Repeat this step similarly to all no routers.

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In order to make default path

→ Type, in config T

→ IP route Destination subnetmask Intermediate device

ie

→ IP route 0.0.0.0 0.0.0.0 20.0.0.10

similarly perform this to all the routers.

⇒ Show IP route enter

10.0.0.0/8 is directly connected to fastethernet 0/0

C 20.0.0.0/8 is directly connected, serial 2/0 5th 0.0.0.0/0 [1/0] via 20.0.0.10

similarly all the routers are connected.

Observation:

In the previous one, we have given the IP address to all the routers with destination

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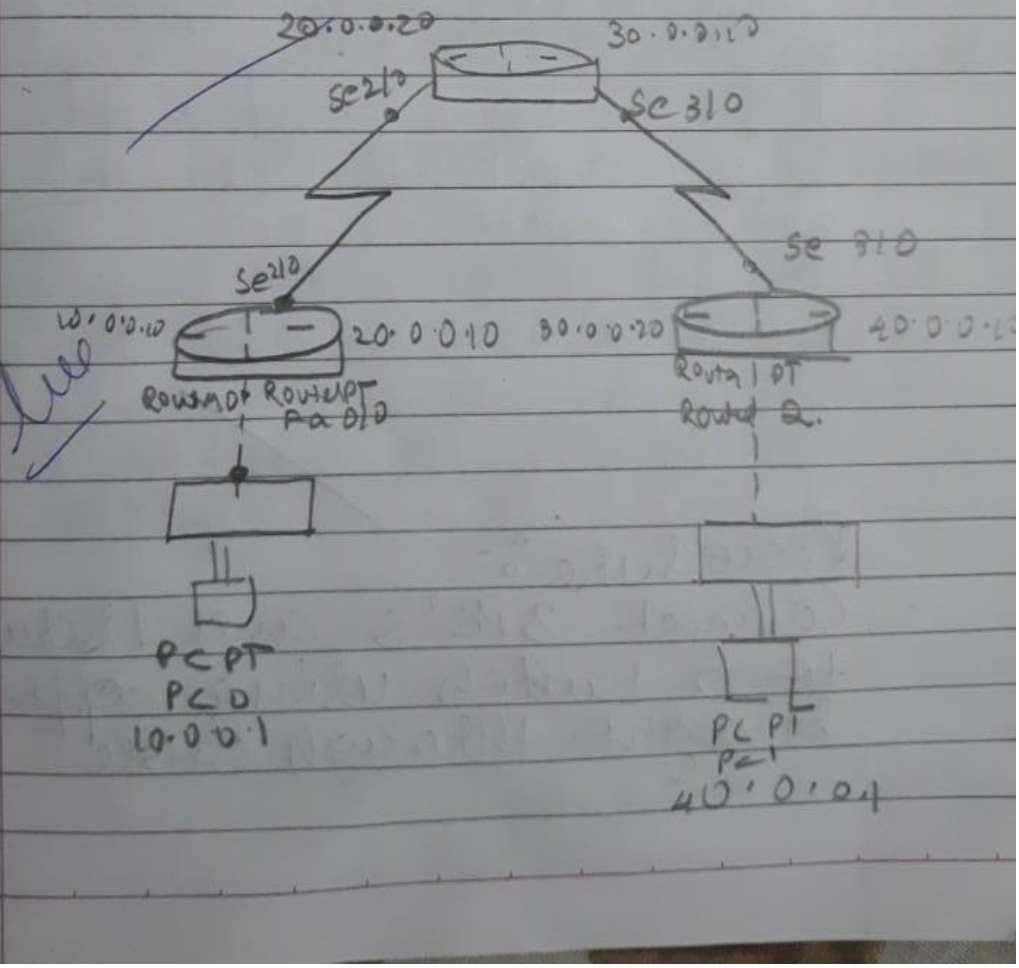
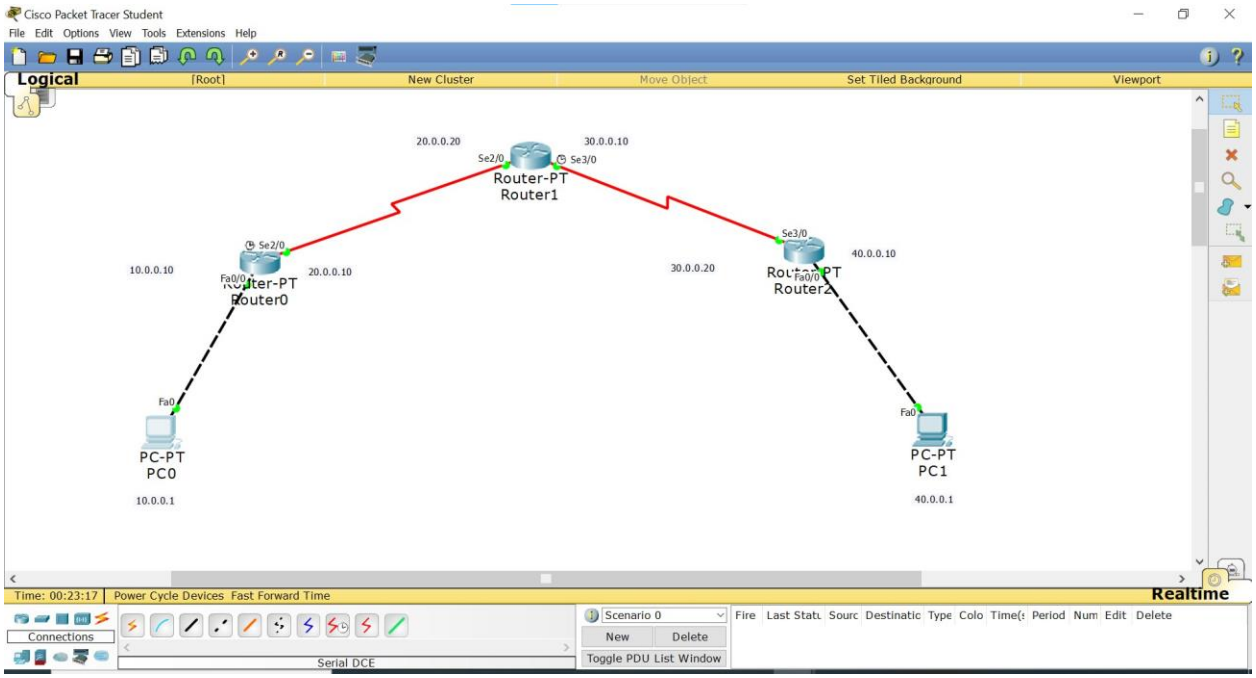
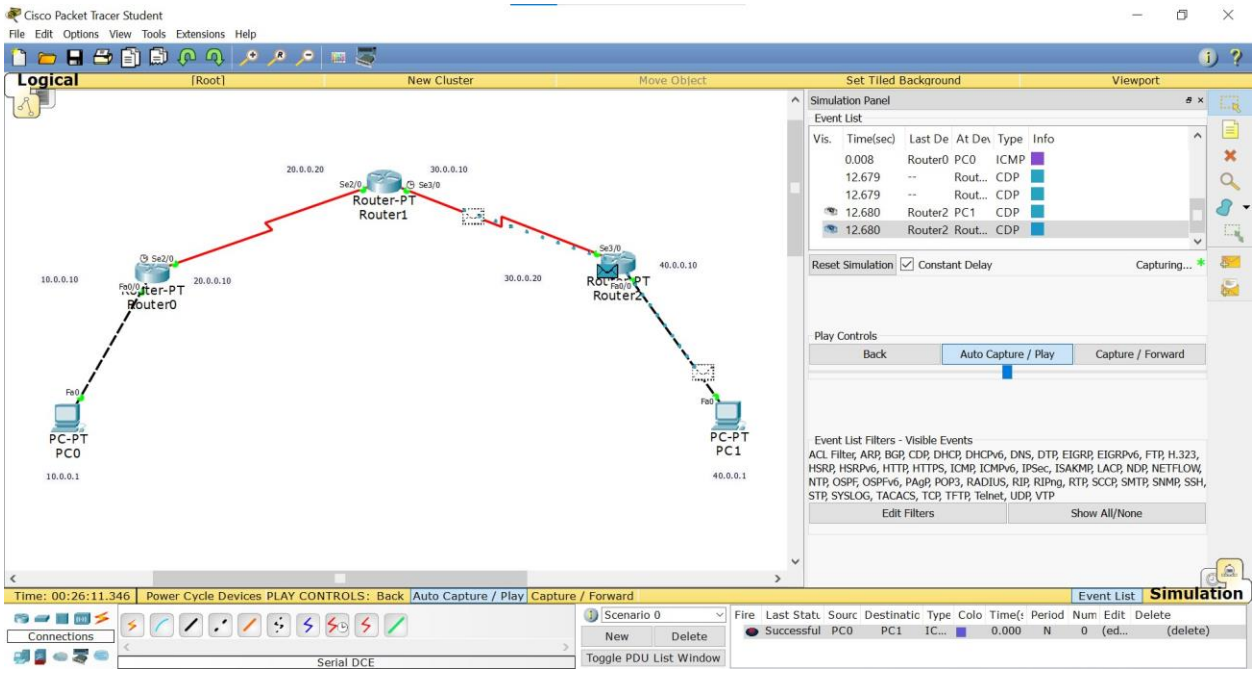
Subnet and intermediate, IP address of particular devices but here in this experiment we use a default IP address ie. 0.0.0.0 and Subnet mask 0.0.0.0 so that it can create a pass through channel to all the packets that are sent will be transferred by the intermediate device. this is generally used in large no of device connection

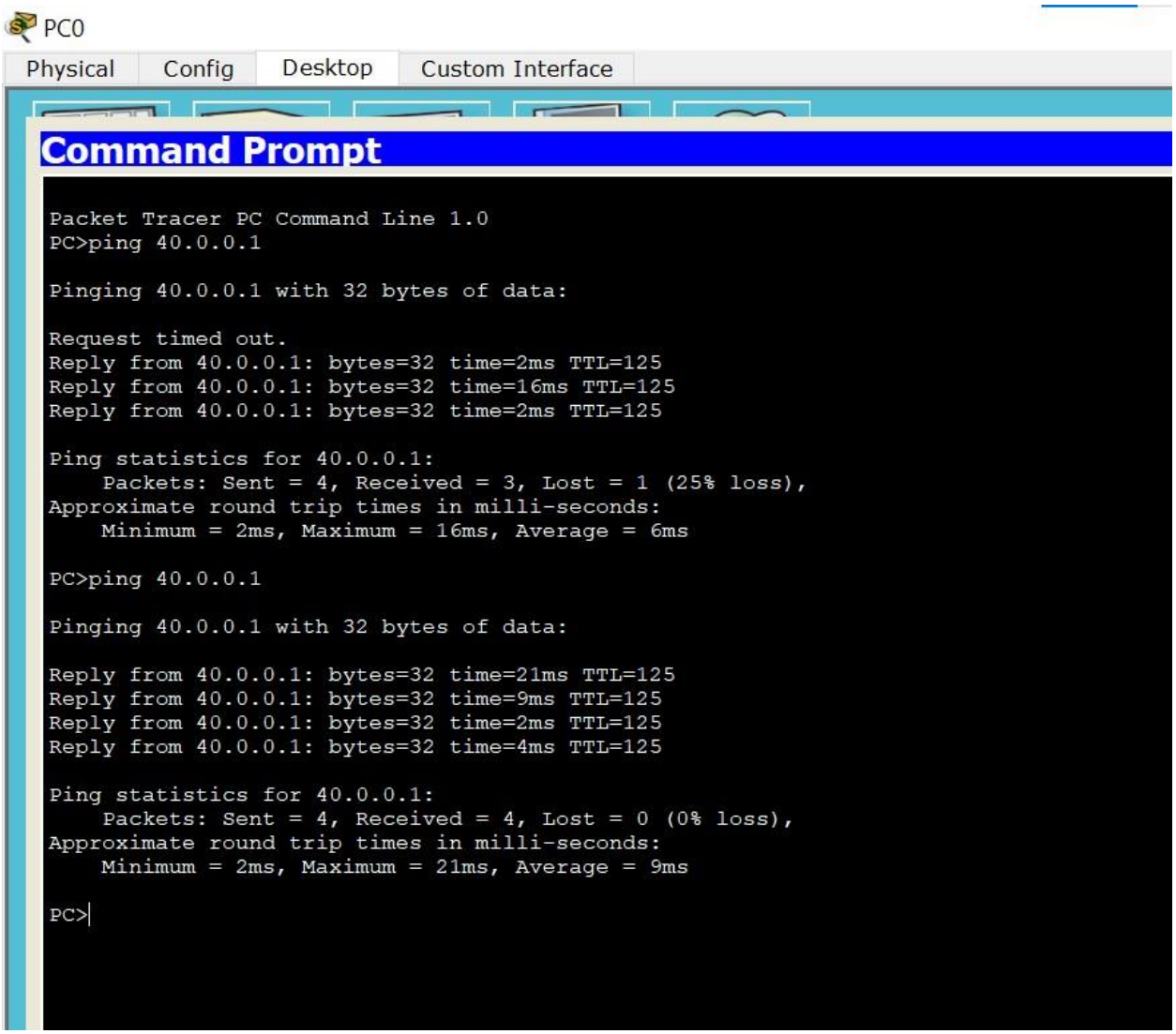


TOPOLOGY:



OUTPUT:




PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
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=2ms TTL=125
Reply from 40.0.0.1: bytes=32 time=16ms TTL=125
Reply from 40.0.0.1: bytes=32 time=2ms 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 = 2ms, Maximum = 16ms, Average = 6ms
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=21ms TTL=125
Reply from 40.0.0.1: bytes=32 time=9ms TTL=125
Reply from 40.0.0.1: bytes=32 time=2ms TTL=125
Reply from 40.0.0.1: bytes=32 time=4ms TTL=125
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 = 21ms, Average = 9ms
PC>