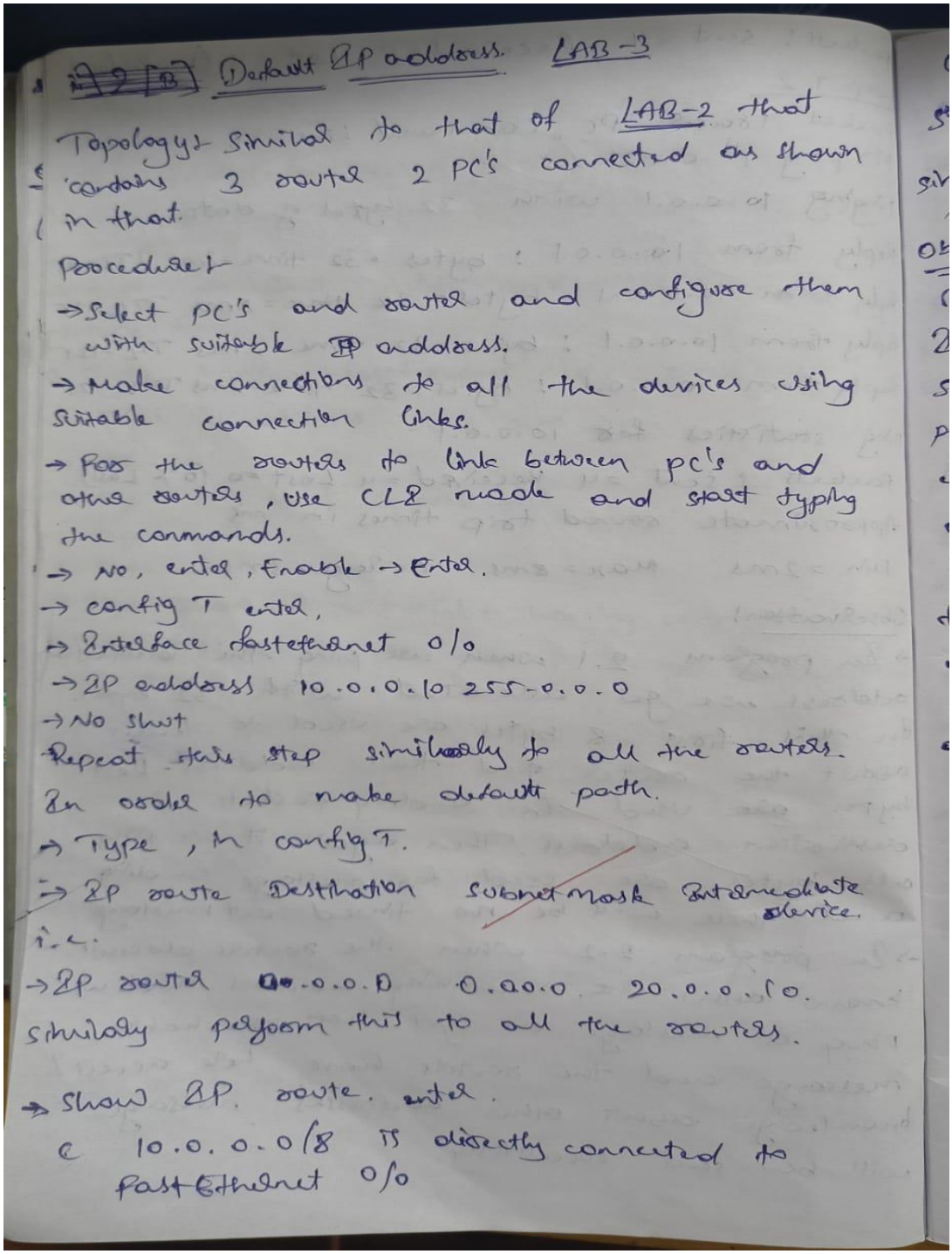
LAB 3

Configure default route to the Router.

OBSERVATION:



[2 [B] Default IP address. LAB-3

Topology:- Similar to that of LAB-2 that contains 3 router 2 PC's connected as shown in that.

Procedure:-

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

→ Make connections to all the devices using suitable connection links.

→ 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 fastethernet 0/0

→ IP address 10.0.0.10 255.0.0.0

→ No shut

Repeat this step similarly to all the routers.

In order to make default path.

→ Type, in config T.

→ IP route Destination subnet mask Intermediate device

i.e.

→ 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.

C 10.0.0.0/8 is directly connected to FastEthernet 0/0

C 20.0.0.0/8 is directly connected, Serial 2/0

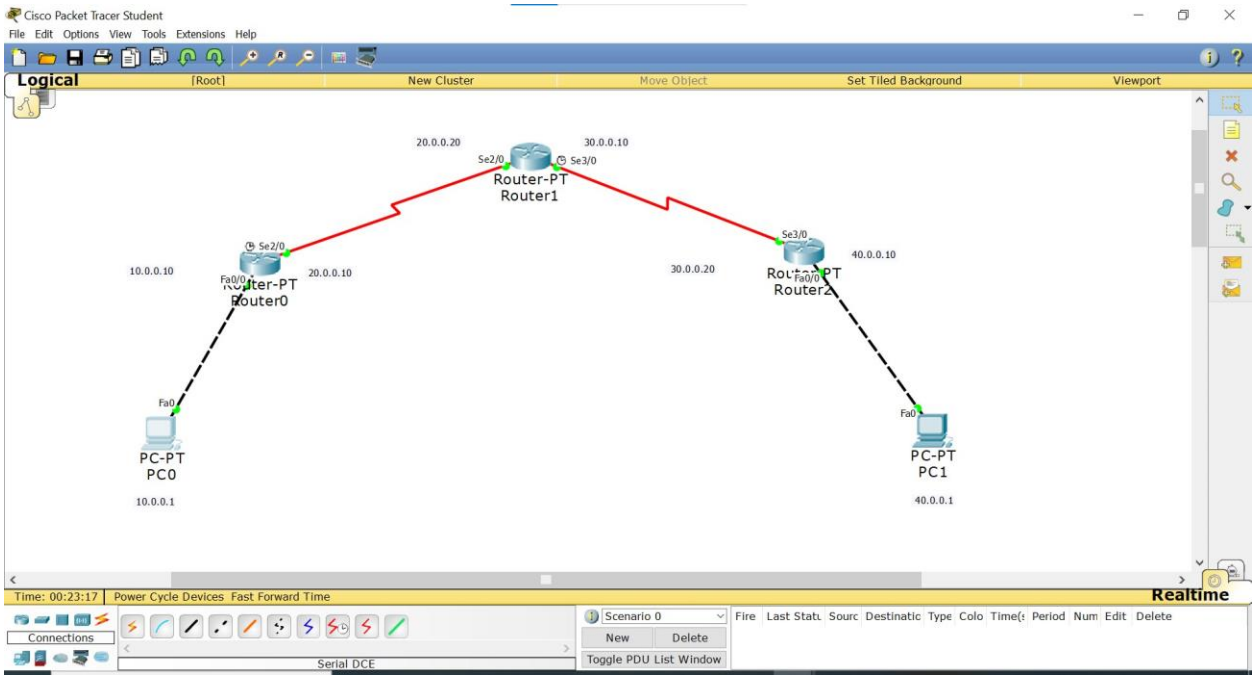
S* 0.0.0.0/0 [1/0] via 20.0.0.10

similarly all the routers are connected.

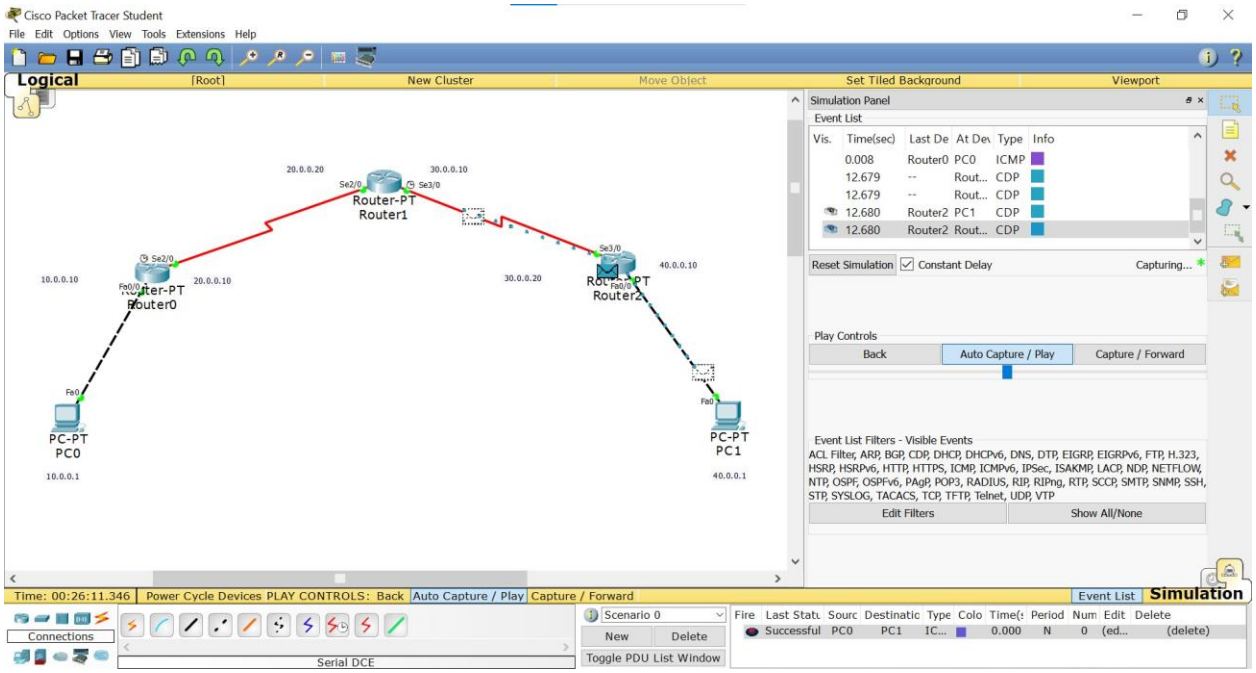
Observation:-

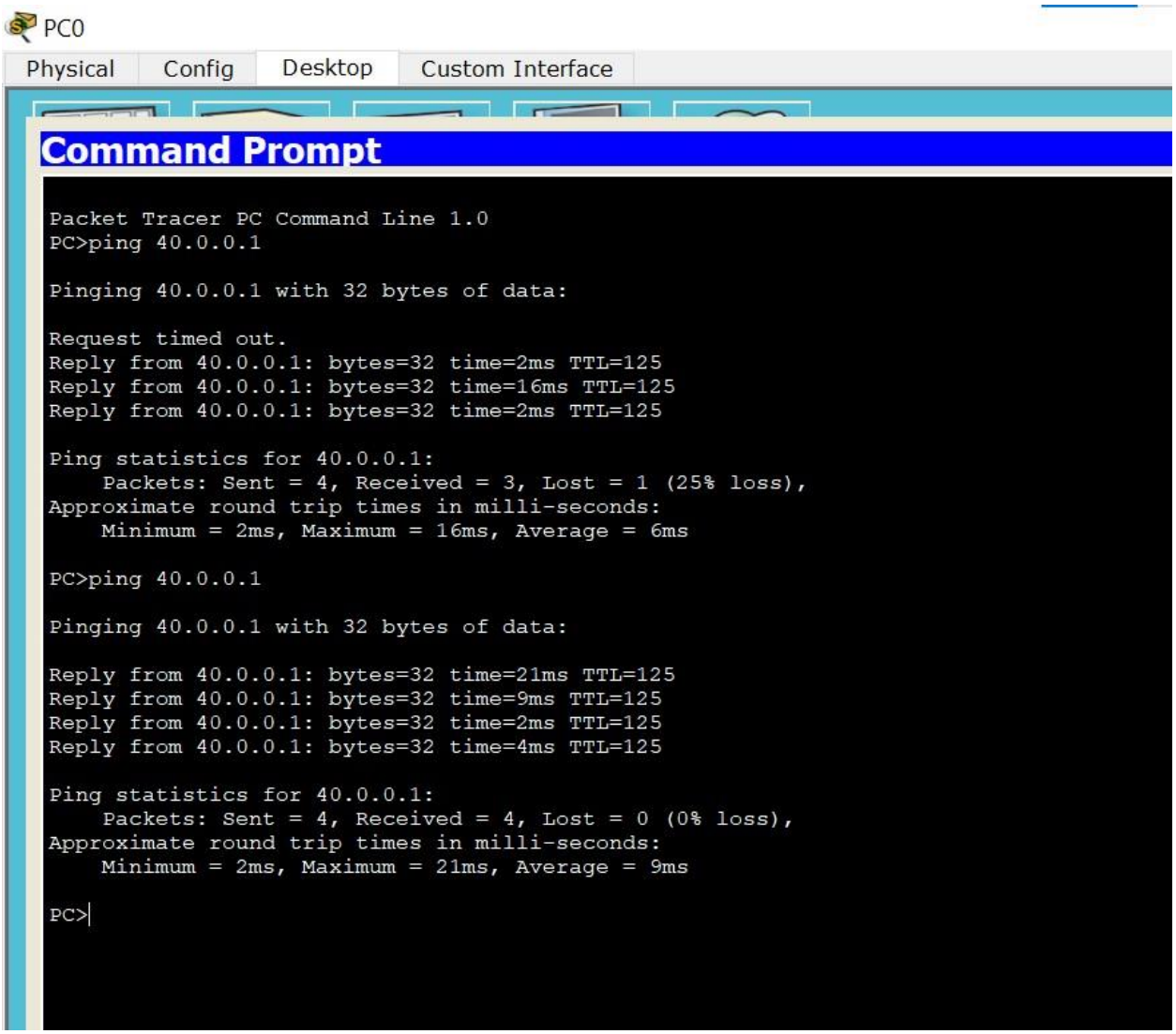
In the previous one, we have given the IP address to all the routers with destination subnet, and intermediate IP address of those particular devices, but here in this experiment we use a default IP address i.e. 0.0.0.0 and subnet mask 0.0.0.0 so that it can create a pass through channel to all the ~~devices~~ packets that are sent will be transferred by the intermediate device. This is generally used in Large no. device connections.

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>