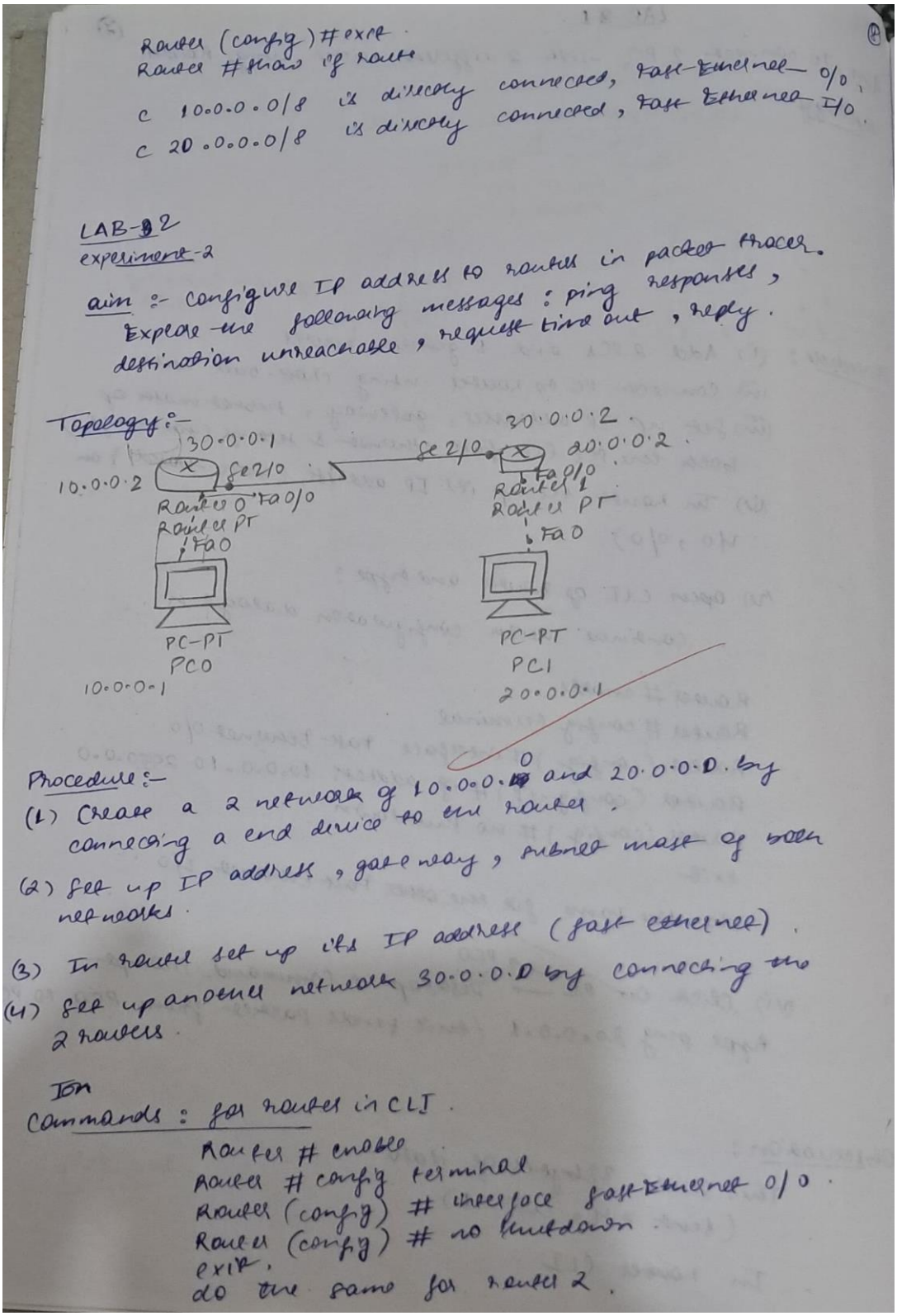
Program 2

Aim: Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.

Topology, Procedure and Observation:



Output :- Ping 20.0.0.1.

Pinging 20.0.0.1 with 32 bytes of data:
Reply from 20.0.0.3: Destination host unreachable.
Reply from 10.0.0.3: Destination host unreachable.
" " " " "
Request time out.
Ping statistics for 20.0.0.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

Ping 20.0.0.2

Pinging 20.0.0.1 with 32 bytes of data:
Reply from 10.0.0.3: Destination host unreachable.
" " " " "
" " " " "
Request time out.
Ping statics for 20.0.0.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss).

Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data.
Reply from 10.0.0.3: bytes = 32 time = 0ms TTL = 255
" " " "
" " " "
" " " ".

Ping statics for 10.0.0.3.
packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in mms:-
Min = 0ms, max = 0ms, Avg = 0ms.

Ping 30.0.0.1

Pinging 30.0.0.1 with 32 bytes of data:-
Reply from 30.0.0.1: bytes = 32 time = 0ms TTL = 225
" " " " "
" " " " "
" " " " "

Ping statistics for 30.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip time in ms:-
Min = 0ms, Max = 0ms, Avg = 0ms.

Ping 30.0.0.2

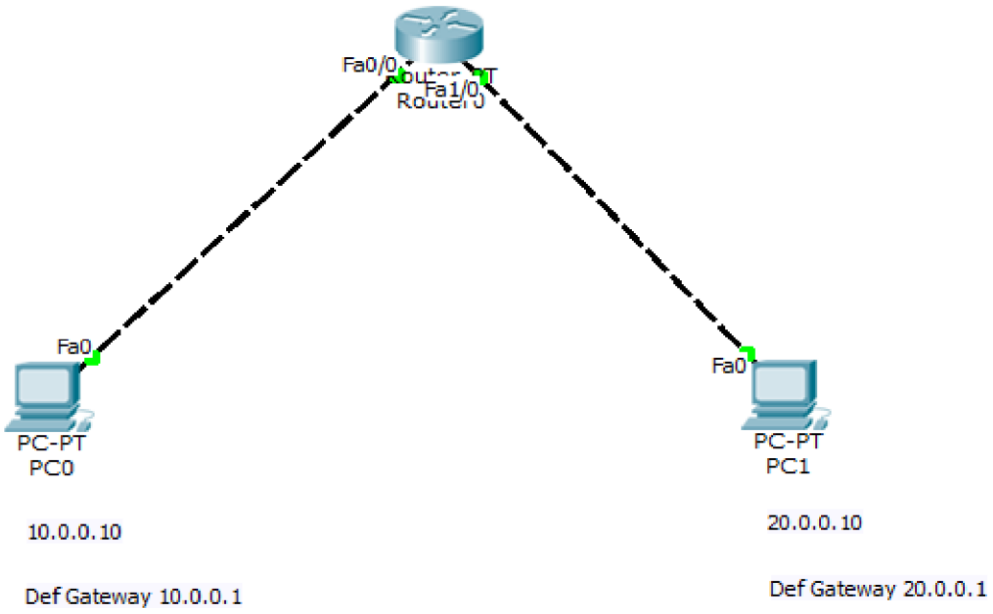
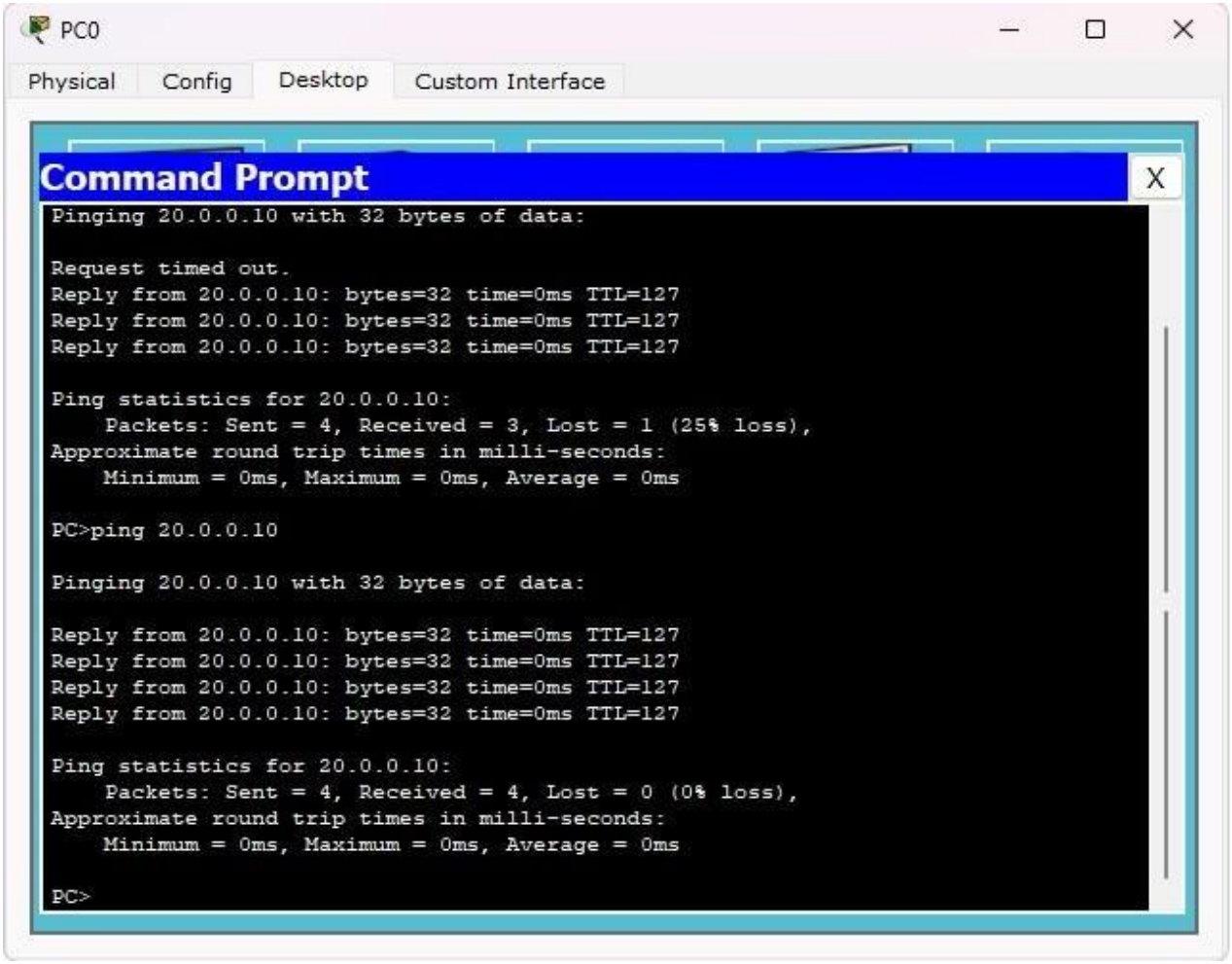
Pinging 30.0.0.2 with 32 bytes of data:
Request time out
"
"
"
"

Ping statistics for 30.0.0.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

Observation:-

* On pinging PC0 to PC1, it shows that it is unable to ping and thus the devices are not reachable.
Shows - "destination not unreachable".

* On pinging PC0 to Fa0/0 port of router the message is pinged (Pinging 10.0.0.2)

* On ping PC0 to Se2/0 router 2, the message is not pinged.

Screenshots: