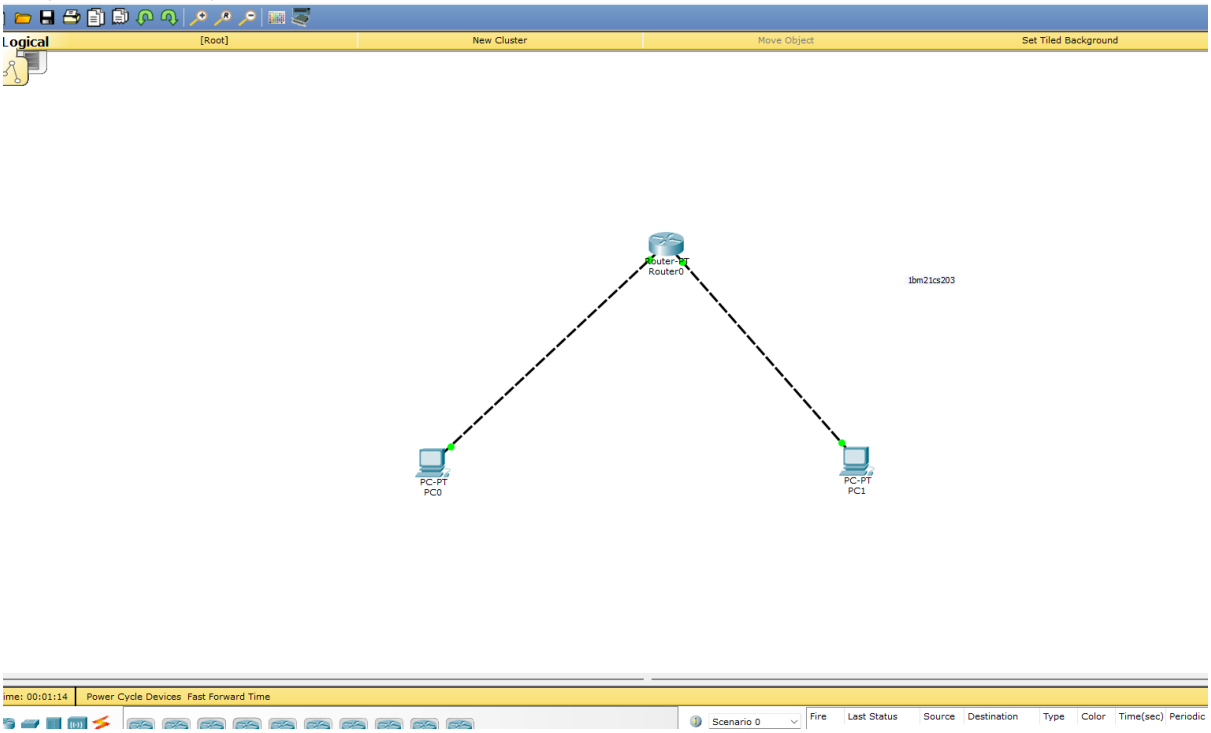
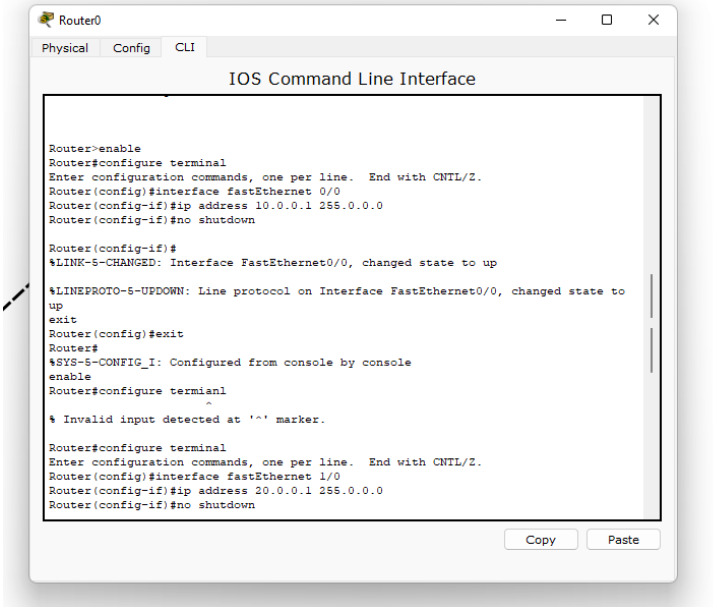
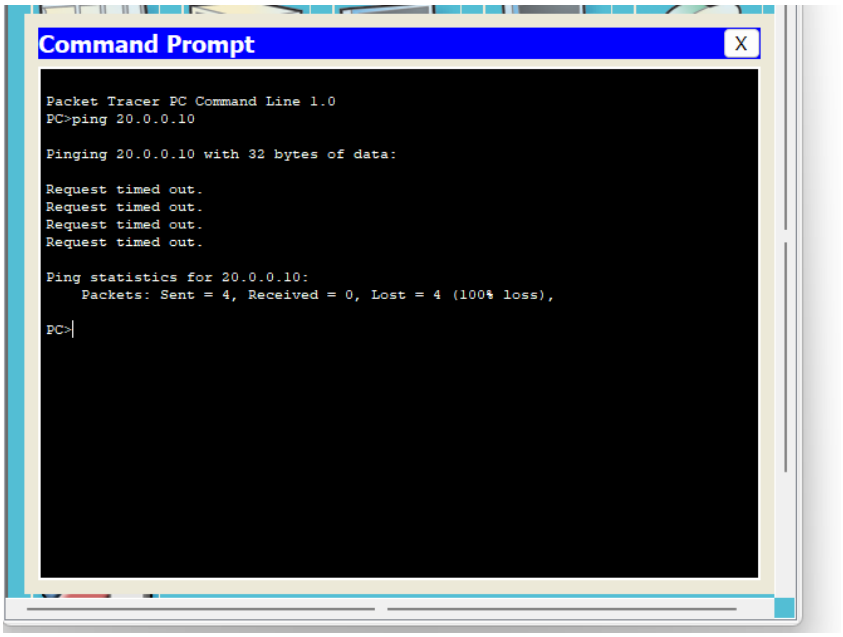
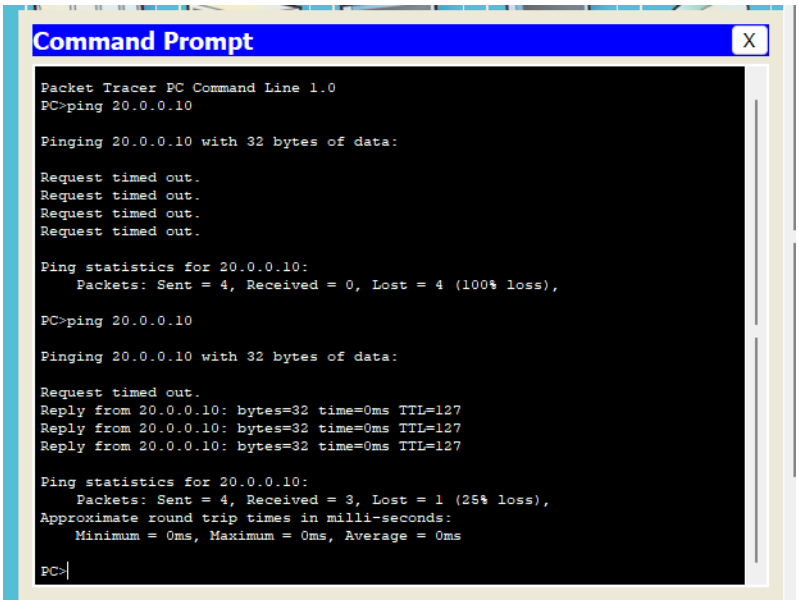
CN LAB 2-ROUTER

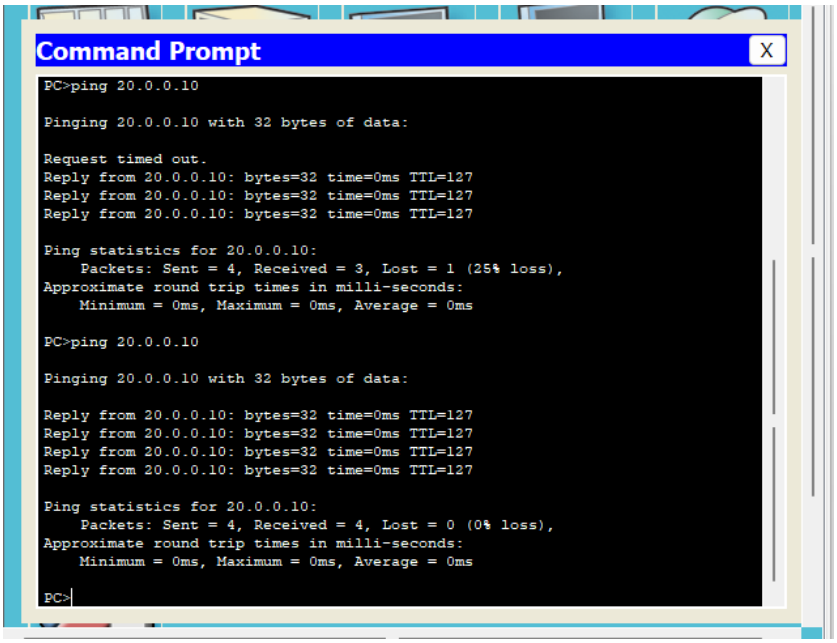




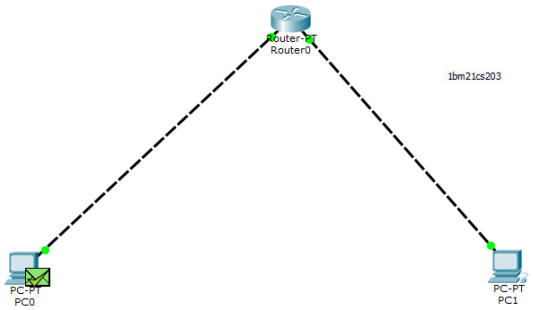
Output:


Command Prompt
X
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 20.0.0.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>


Command Prompt
X
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 20.0.0.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.10:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>


Command Prompt
X
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.10:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>

Simulation:


Router-PT
Router0
1bm21cs203
PC-PT
PC0
PC-PT
PC1

Outcome:

A router transmits messages between two different networks. The router configuration is done using CLI. The IP Address of the router on each side, that is connected to end device must have the same network address as that of the end device connected on that side. Transmission of message fails when default gateway is not assigned to the end devices. Therefore on executing ping command without assigning default gateway we get connection timed out output. Default gateway of the each end device is the IP address of the router on that particular connected side interface. After assigning default gateway the transmission becomes successful.

BY,

SHIVANI SATHYANARAYANAN

1BM21CS203

SECTION 4D