CN Lab-3

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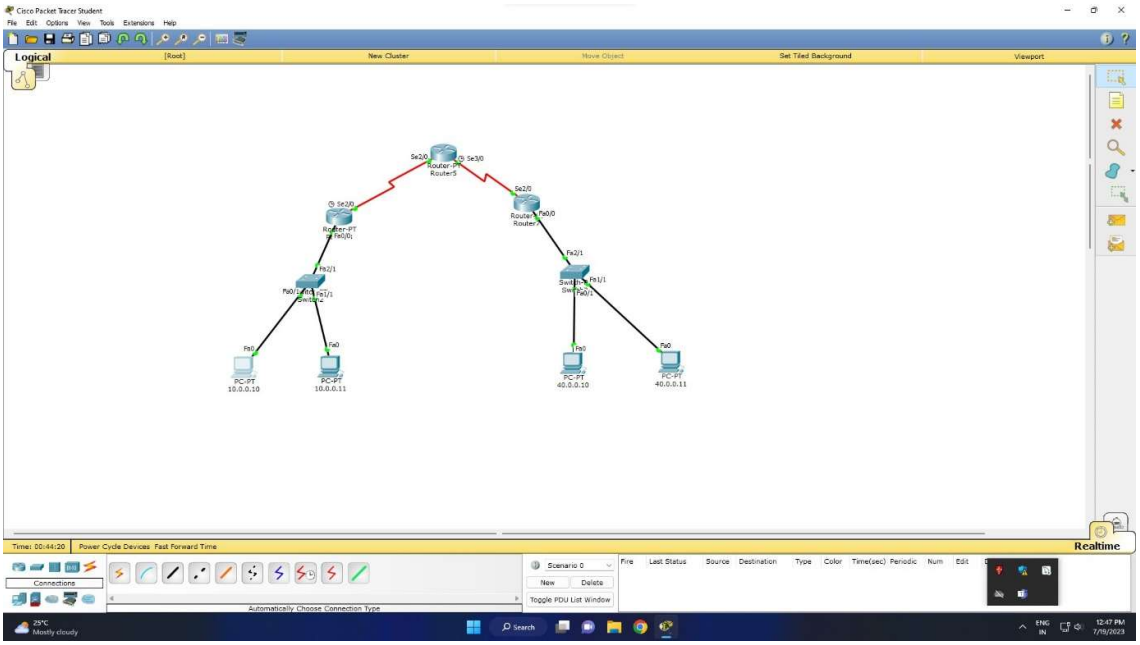
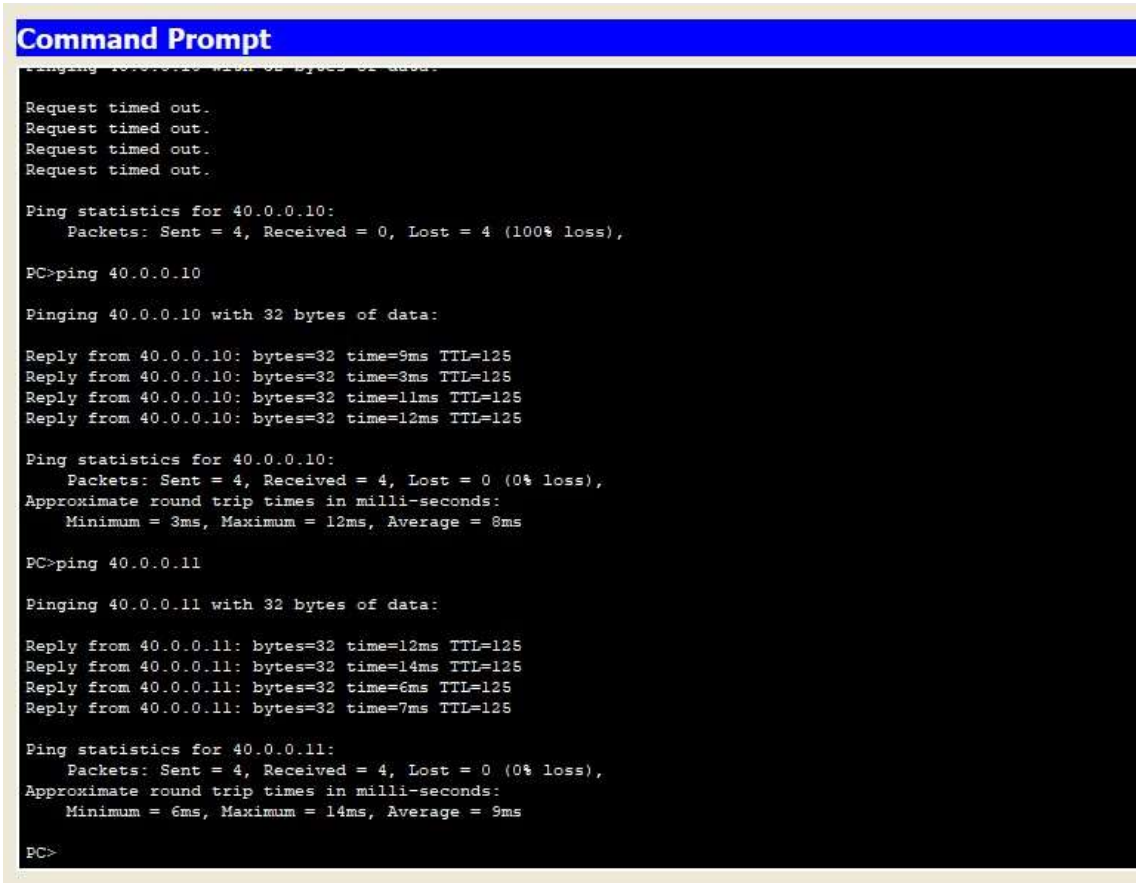
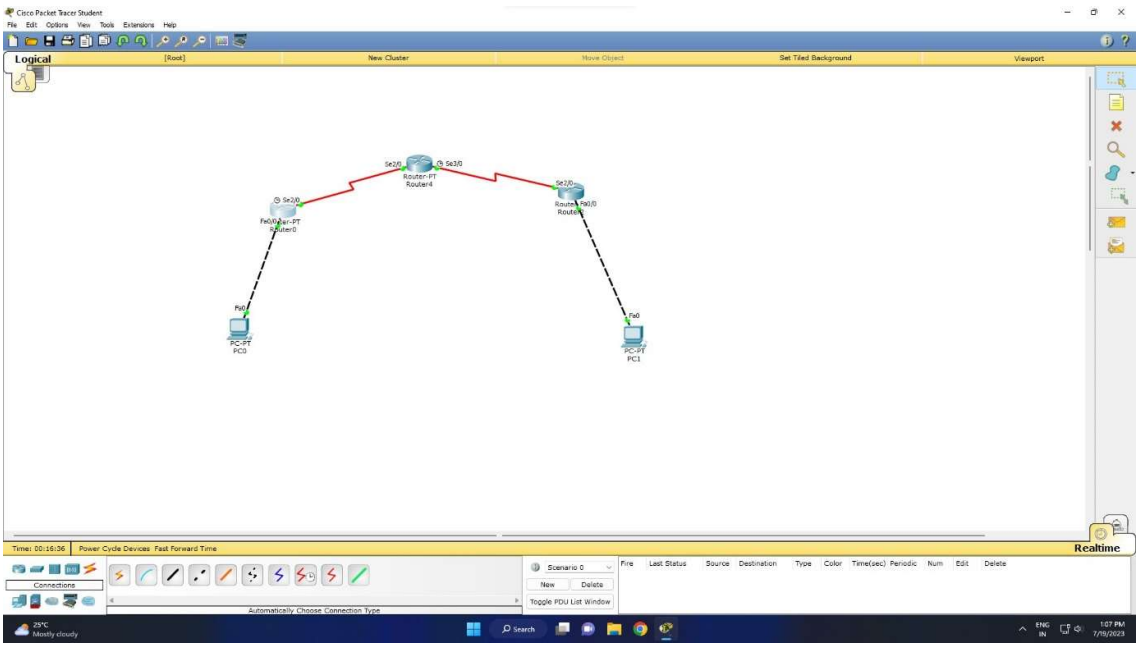
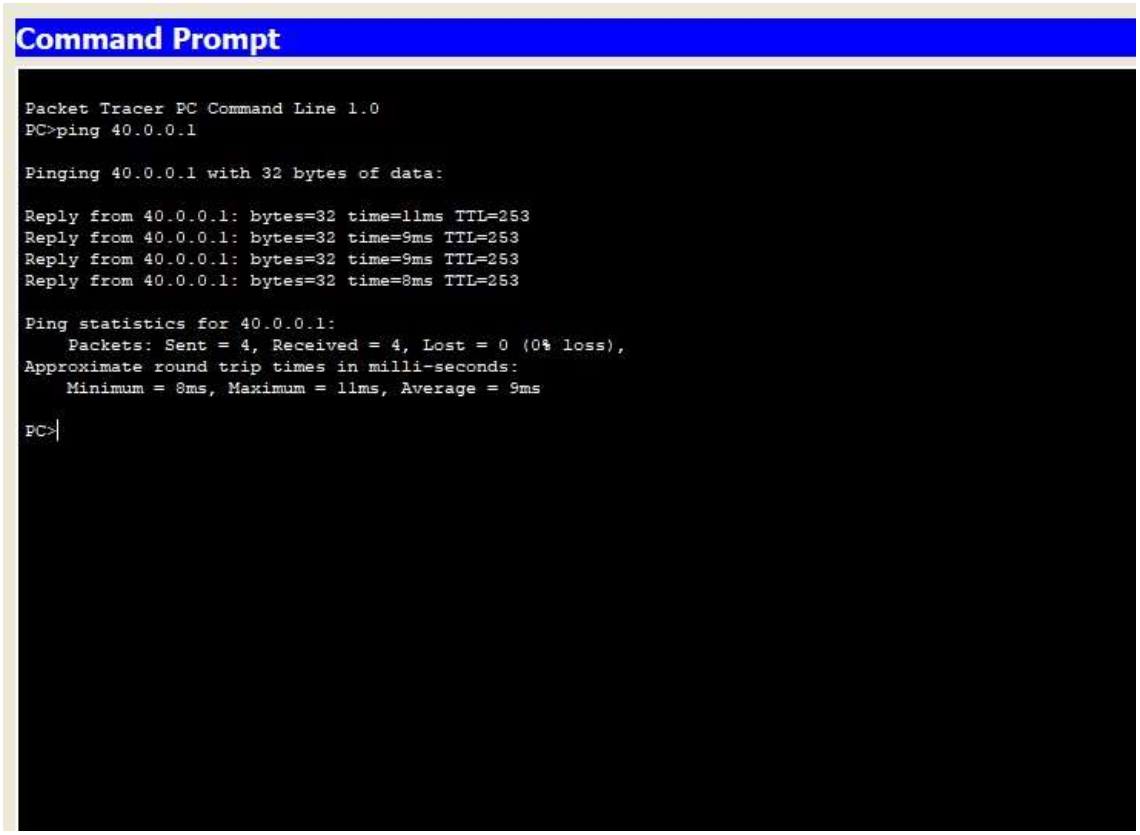
Exp : 1




Command Prompt
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 40.0.0.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
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=9ms TTL=125
Reply from 40.0.0.10: bytes=32 time=3ms TTL=125
Reply from 40.0.0.10: bytes=32 time=11ms TTL=125
Reply from 40.0.0.10: bytes=32 time=12ms 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 = 3ms, Maximum = 12ms, Average = 8ms
PC>ping 40.0.0.11
Pinging 40.0.0.11 with 32 bytes of data:
Reply from 40.0.0.11: bytes=32 time=12ms TTL=125
Reply from 40.0.0.11: bytes=32 time=14ms TTL=125
Reply from 40.0.0.11: bytes=32 time=6ms TTL=125
Reply from 40.0.0.11: bytes=32 time=7ms TTL=125
Ping statistics for 40.0.0.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 6ms, Maximum = 14ms, Average = 9ms
PC>

Exp : 2


Logical
Realtime


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:
Reply from 40.0.0.1: bytes=32 time=11ms TTL=253
Reply from 40.0.0.1: bytes=32 time=9ms TTL=253
Reply from 40.0.0.1: bytes=32 time=9ms TTL=253
Reply from 40.0.0.1: bytes=32 time=8ms TTL=253
Ping statistics for 40.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 8ms, Maximum = 11ms, Average = 9ms
PC>

Outcomes :

Outcomes

There are different ways of assigning ip route static & default.
In assigning default ip route for routers in a topology, we assign default ip routes to router 0 and router 2 and assign static ip route to router 1.
The message are routed to router1 and router 1 takes care of forwarding the message appropriately. Routers maintains communication among each other & source & destination through routing protocols. Here, in experiment 9, we have used RIP routing protocol
In cases, where we dont implement routing protocols, we assign static & default ip routes