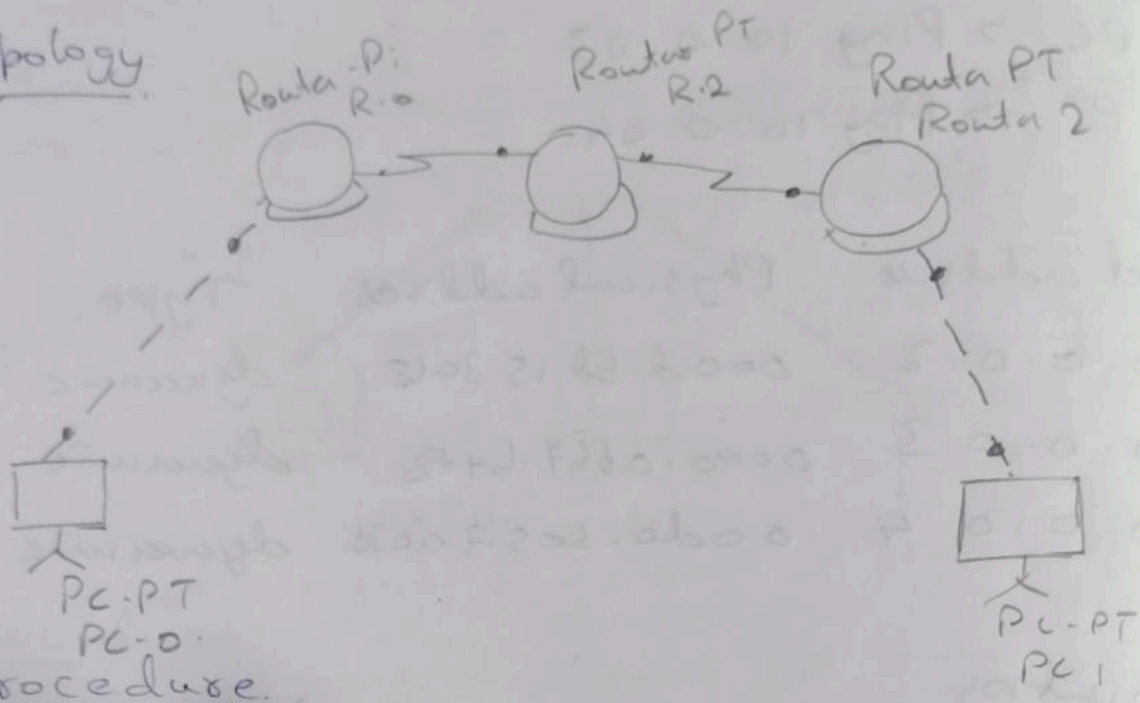
Lab-08[i]

Aim

Demonstrate the TTL/Life of a Packet.

Topology



Procedure

→ Create a topology as shown above and Configure the PC's & routers as shown above. Static routing is done here.

→ Go to simulation mode.
Send Simple PDU from PC0 to PC1

→ Click on Capture/forward button to run it from one node to other.

→ View the inbound & outbound PDU details and run in each step by clicking on PDU.

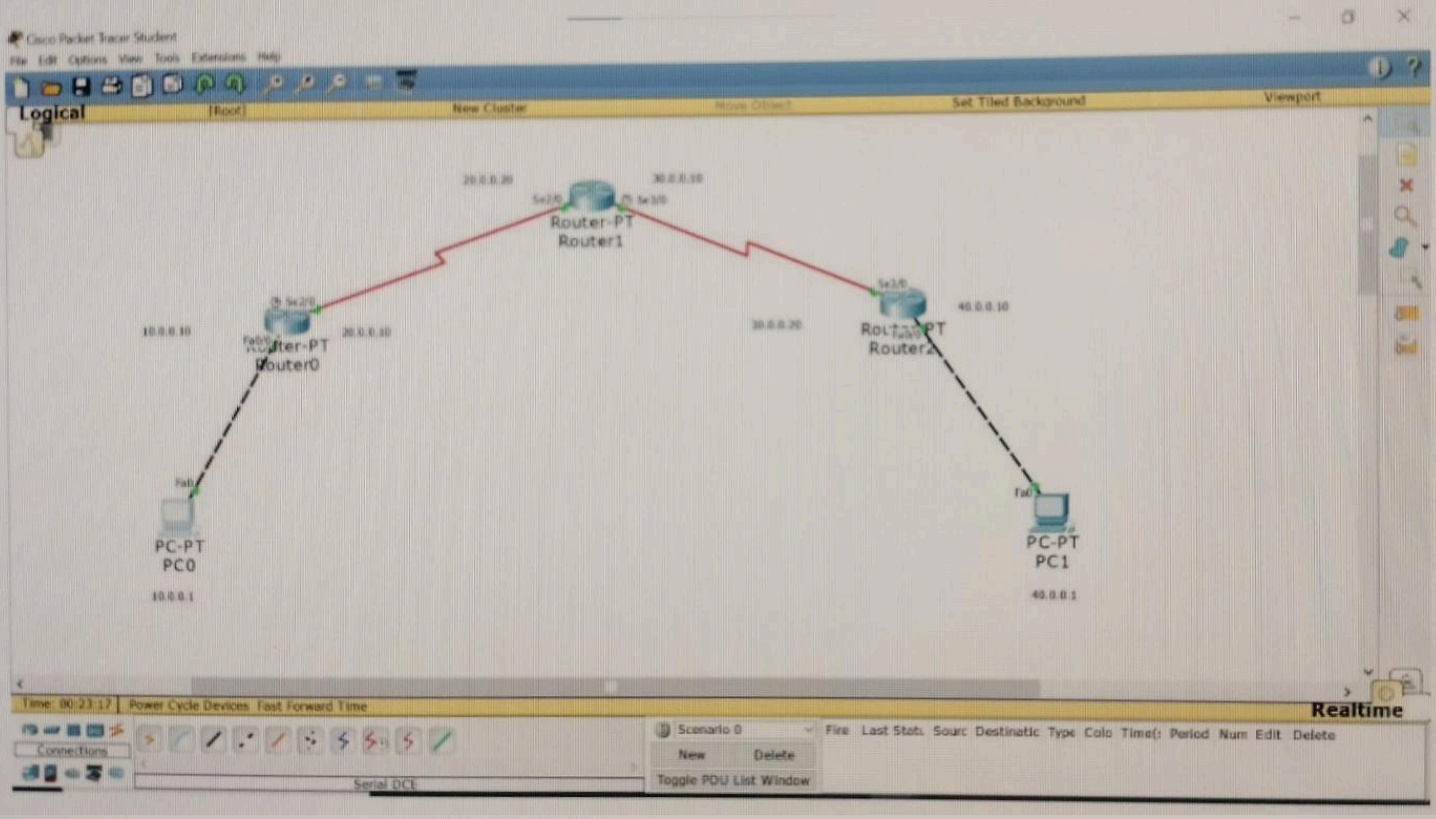
Observation

→ The TTL is reduced by one when the Packet crosses every router.

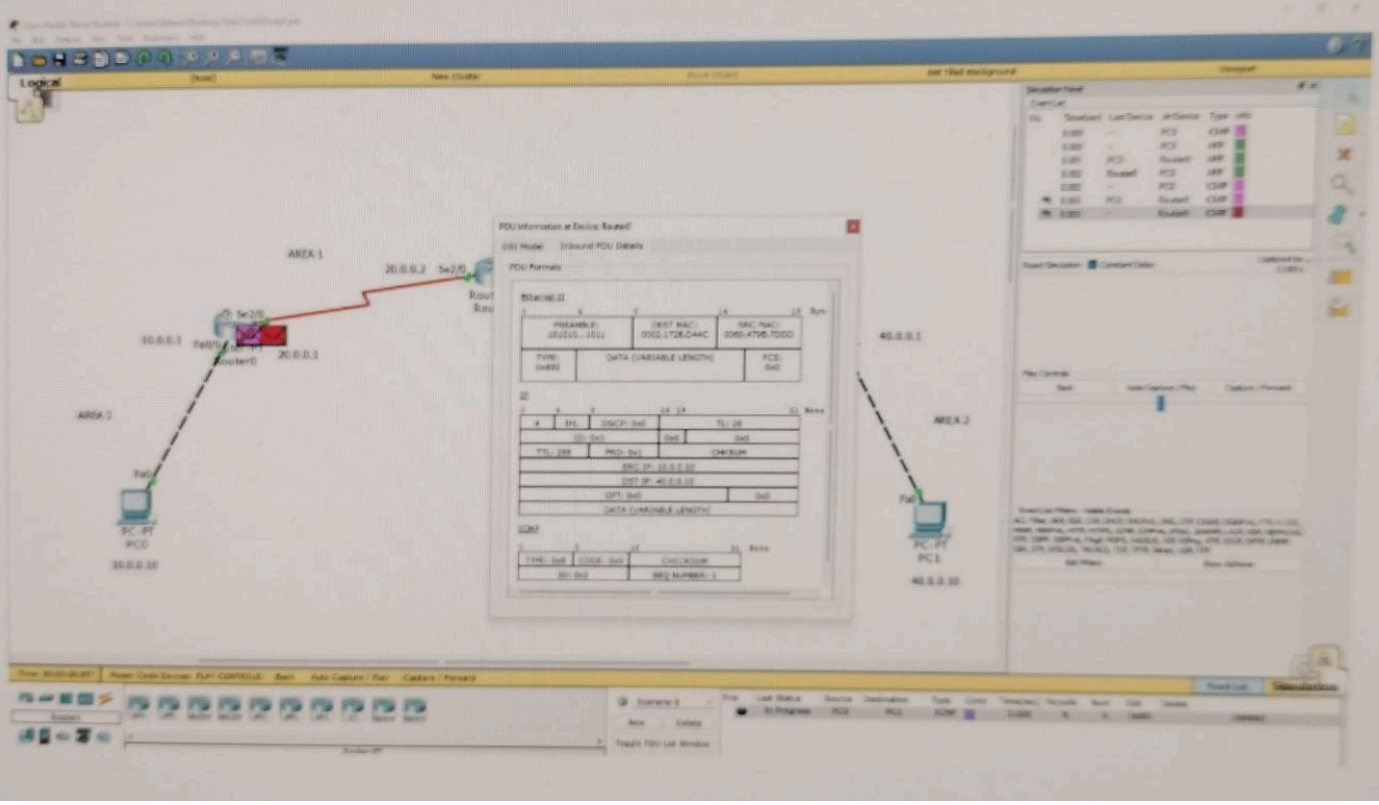
→ If TTL becomes 0, Packet will be dropped

17/8/2023

TOPOLOGY:

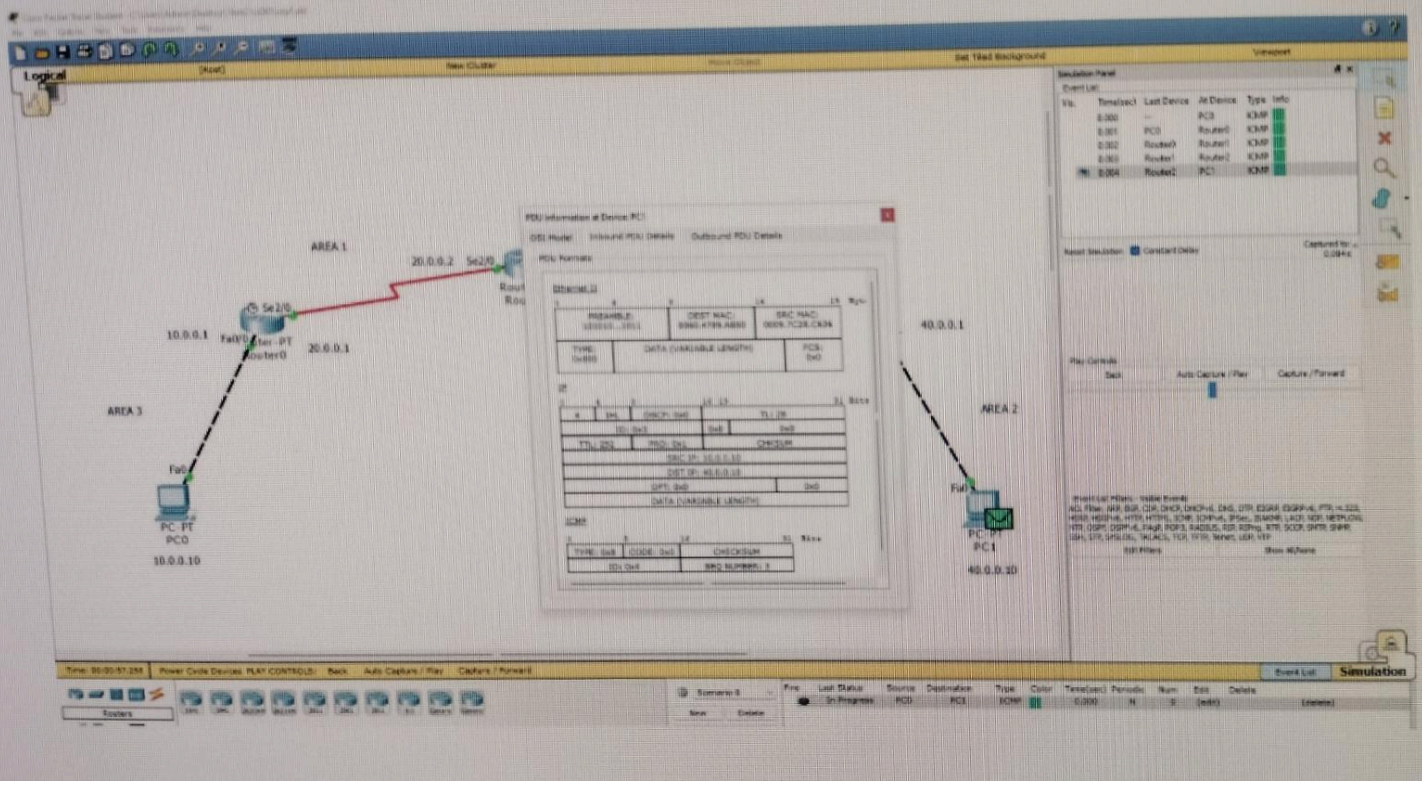


OUTPUT:



Logical
AREA 1
AREA 2
AREA 3
20.0.0.2
10.0.0.1
20.0.0.1
40.0.0.1
PC-PT
PC0
10.0.0.10
PC1
40.0.0.10

Logical
AREA 1
AREA 2
AREA 3
20.0.0.2
10.0.0.1
20.0.0.1
40.0.0.1
PC-PT
PC0
10.0.0.10
PC1
40.0.0.10


AREA 1
20.0.0.2
Se2/0
10.0.0.1
Fa0/0
Router-PT
Router0
20.0.0.1
AREA 3
Fa0
PC-PT
PC0
10.0.0.10
40.0.0.1
AREA 2
Fa0
PC-PT
PC1
40.0.0.10
Simulation