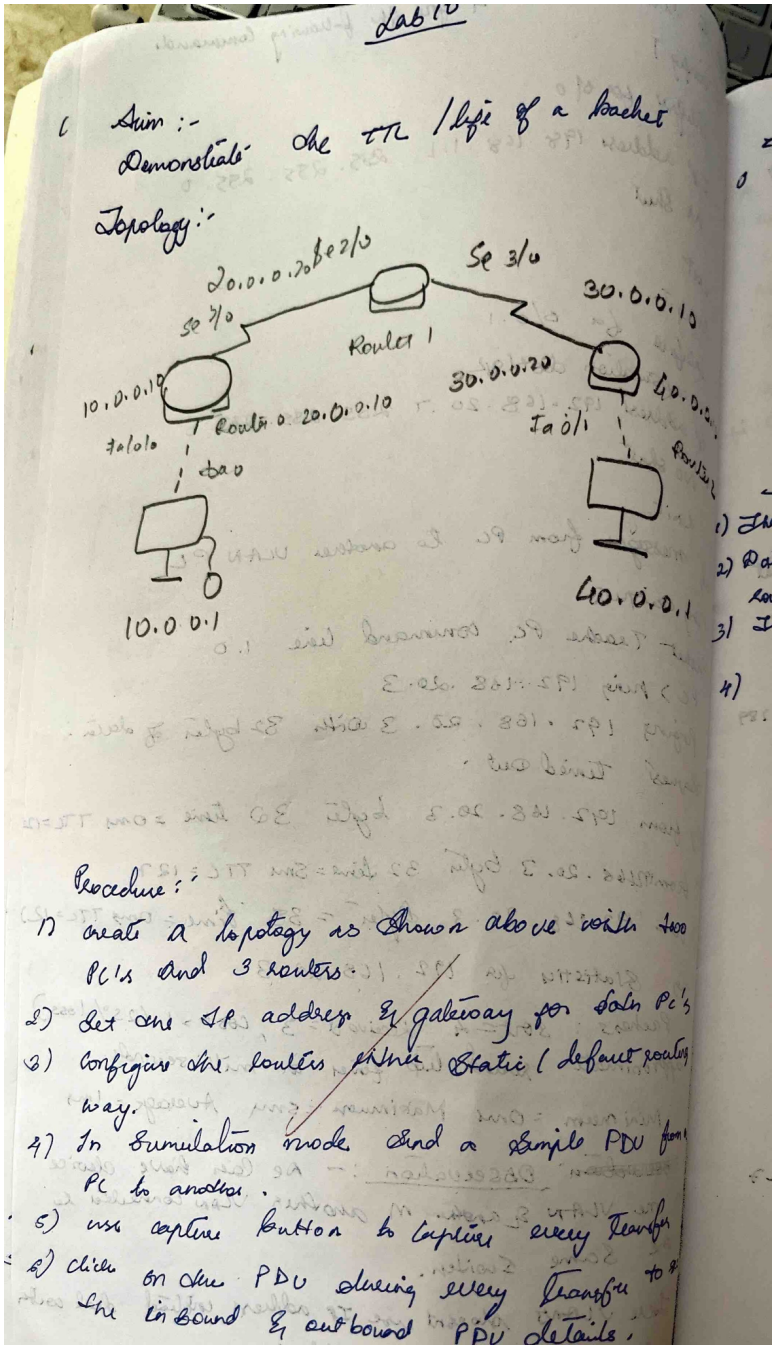
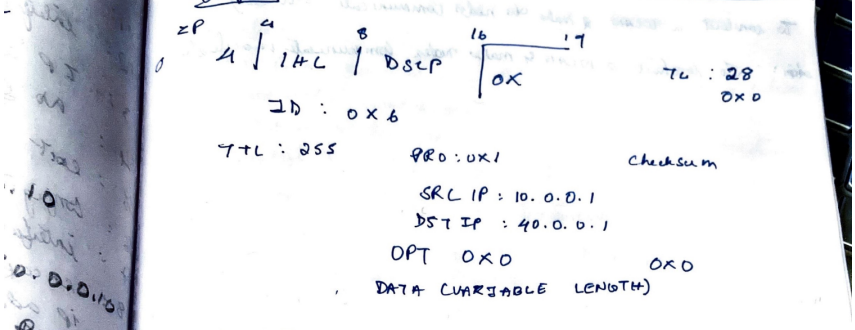
WEEK 10

Demonstrate the TTL/ Life of a Packet.

OBSERVATION:



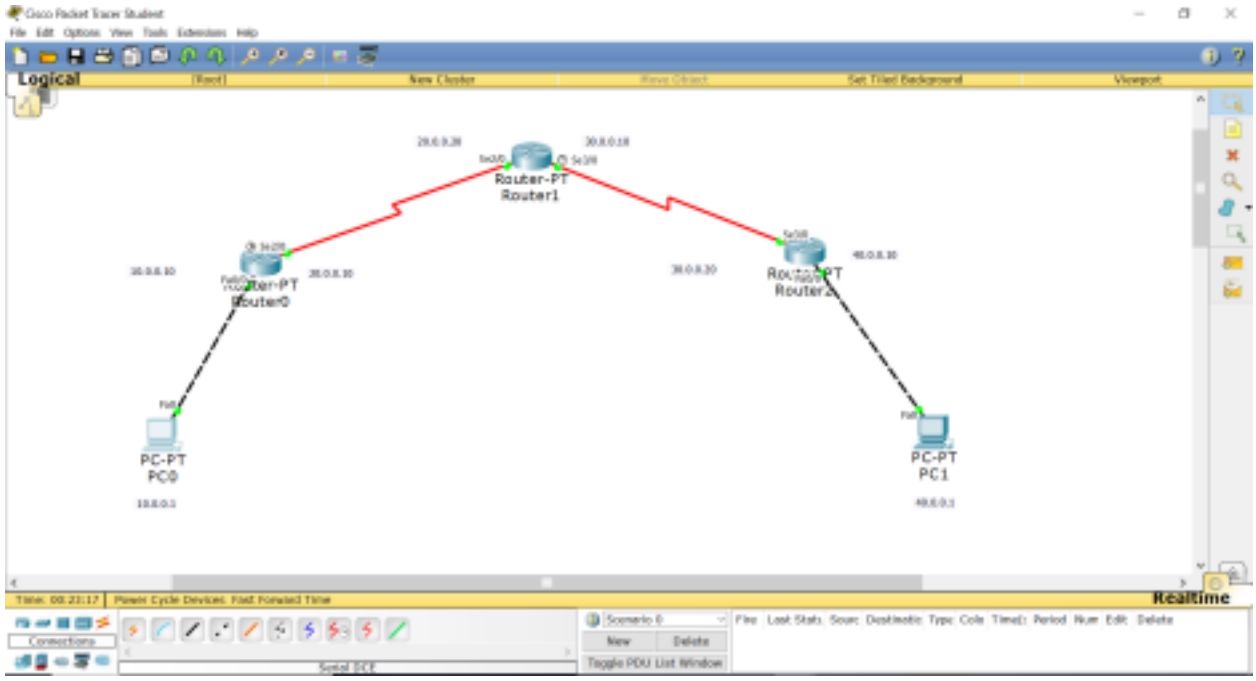
Output :-



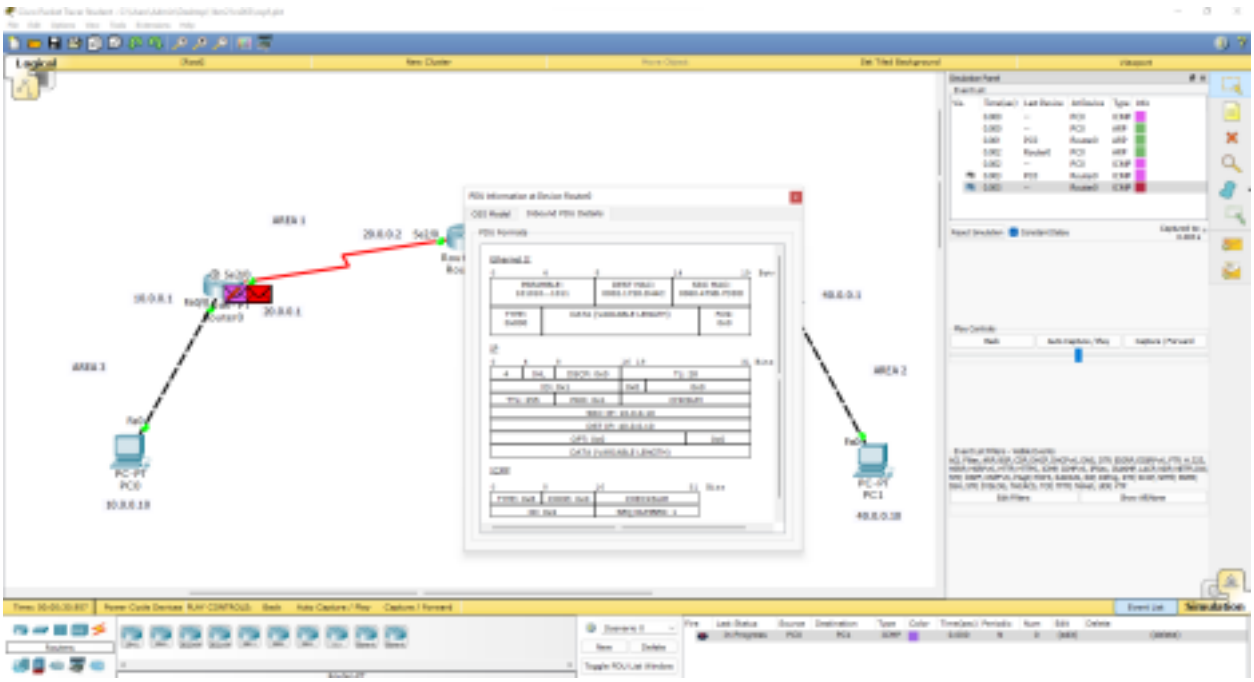
Observation

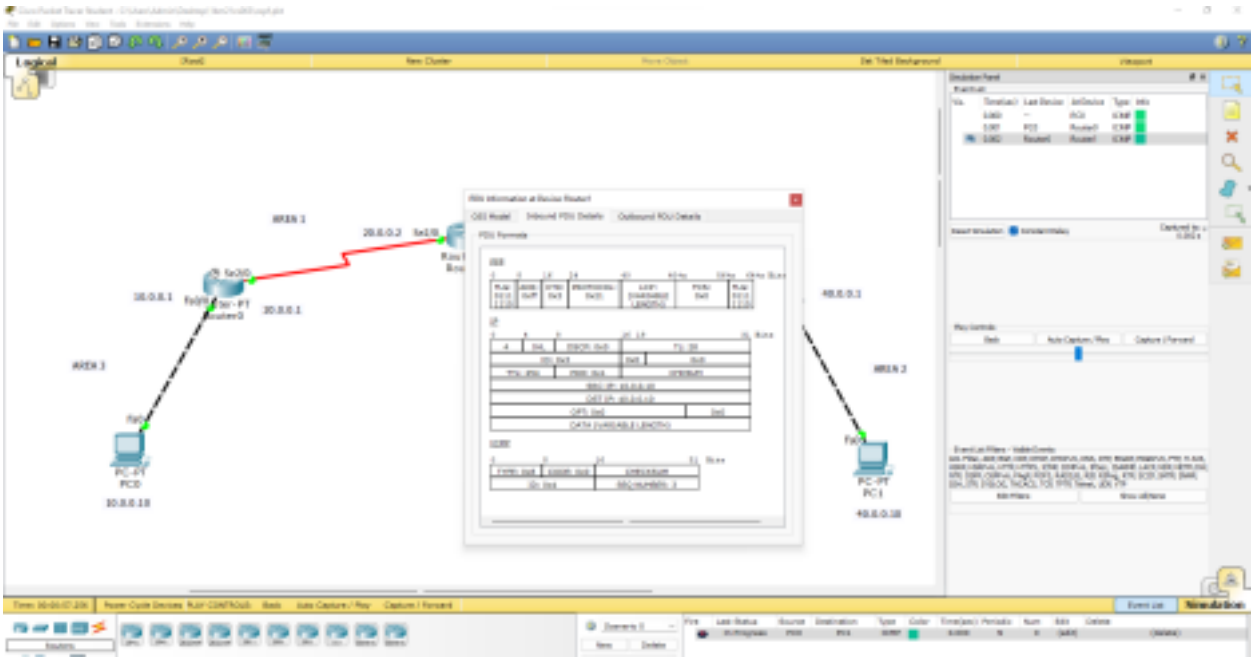
1) It is no of hops the packet travel before being discarded as TTL
2) Datagram TTL field is set by the sender & reduced by each router along the path to its destination.
3) IP router reduces TTC value by one while forwarding the packets
4) When the ttc value is 0, the router discards & sends an ICMP message.

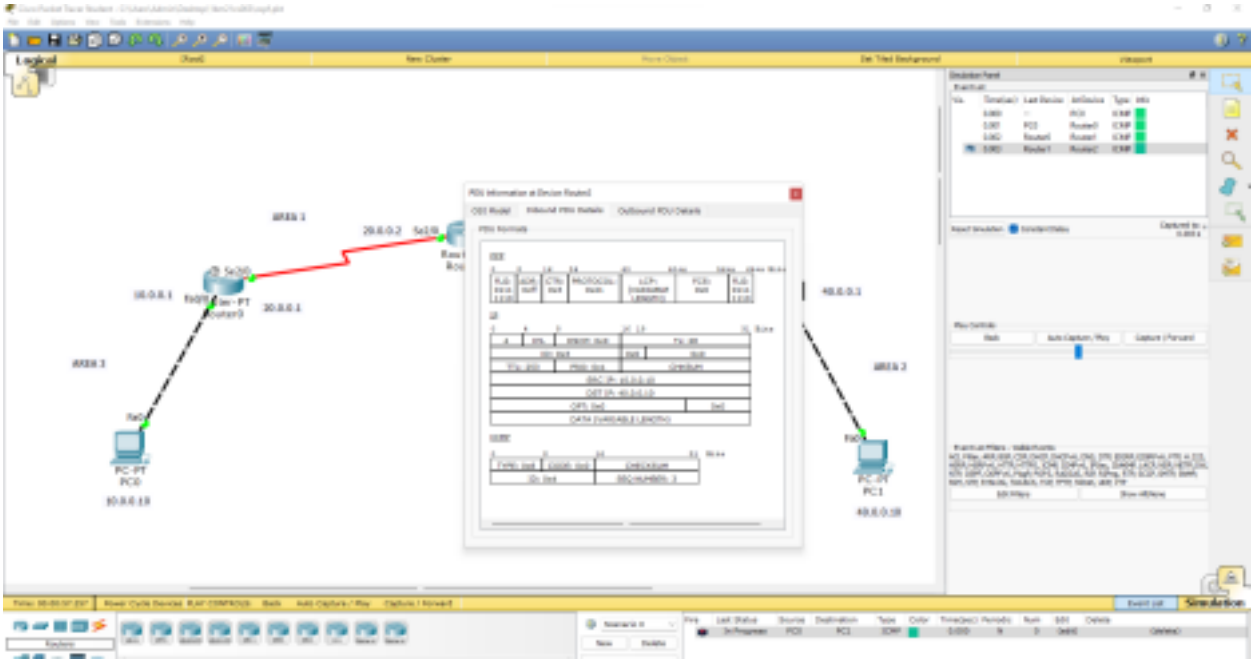
TOPOLOGY:

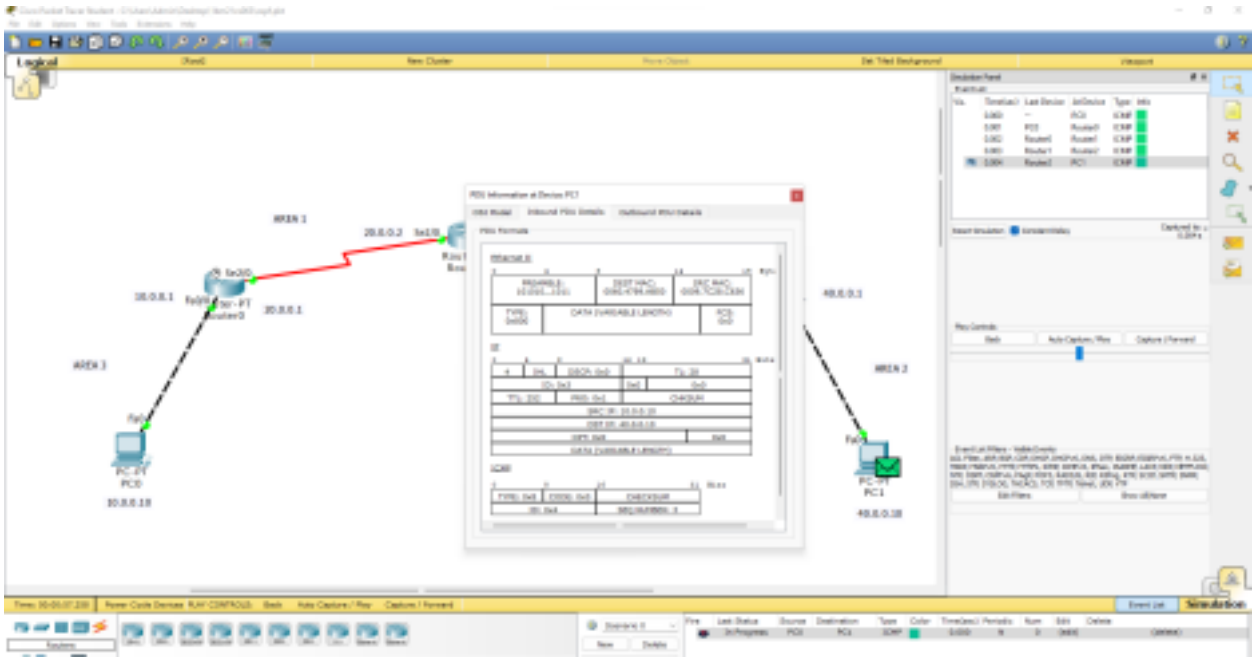


OUTPUT:




Logical
AREA 1
20.0.0.2
Se1/0
Se2/0
10.0.0.1
20.0.0.1
AREA 3
AREA 2
40.0.0.1
PC-PT
PC0
10.0.0.10
PC-PT
PC1
40.0.0.10


Logical
AREA 1
20.0.0.2
Se1/0
Se2/0
10.0.0.1
20.0.0.1
AREA 3
AREA 2
40.0.0.1
PC-PT
PC0
10.0.0.10
PC-PT
PC1
40.0.0.10


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