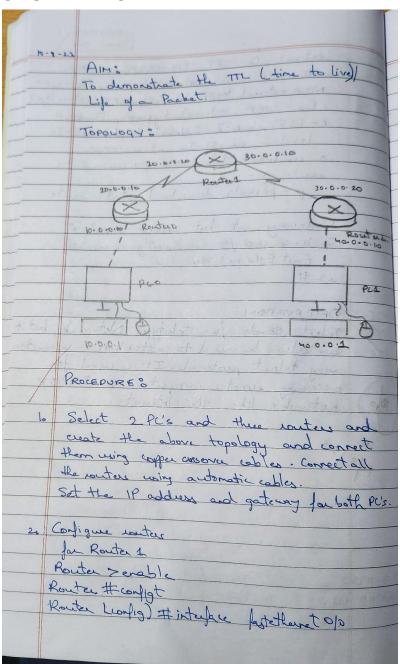
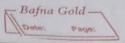
# **EXPERIMENT 7**

## AIM:

Demonstrate the TTL/ Life of a Packet.

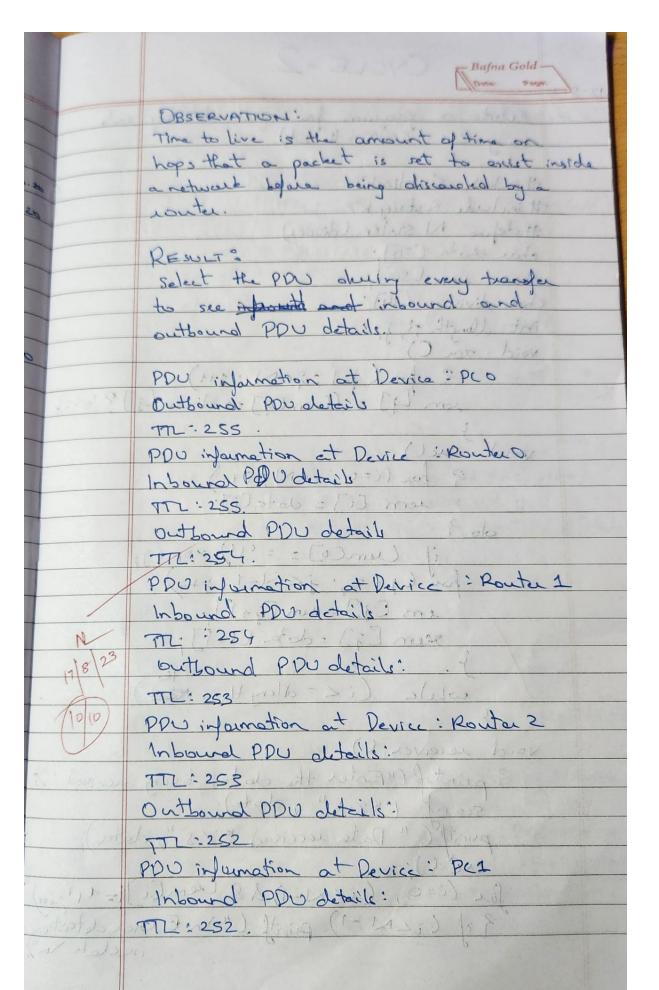
## **OBSERVATION:**





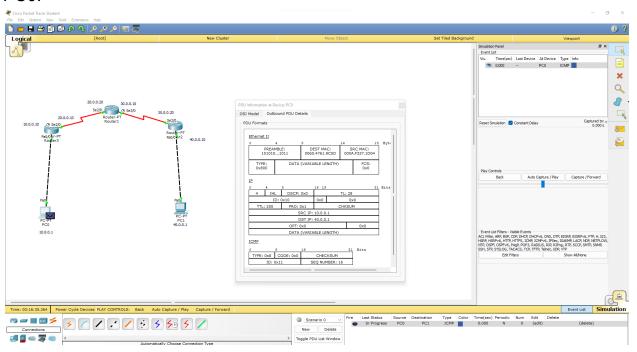
Router (config = if) # ip address 10.0.0.10 255.0.0.0 Router (config - if) # 00 short Router (config-if) # exit Router (config ) It interface serial 240 Router (config-if) # ip addless 20.0.0.10 255.0.0.0 Router ( config-if) ## rostert Route (confg-N) # enit Router 2: Router Tengble to the state of the Route # config to any of the state Router (config) # interface seval 2/0 Router (config) # inp address 20.0.0-20 255.0.0.0 Router (config -if) throshert Router (config - 4) # exit seval 3/0 Router (config) # interface 30.00.10 550.00 Router (config-11) # ip address 30.0-0-10255.0.00 Router (confignis) It no short Router (config-ig) # exit Router Terable Router # config to noted surper sell of Router (config) # interface seria 2/0 Router (config-1) # ip addlux 30.0.0.20 255.0.0.0 Router (config-1) # noshut Router (confignis) # exit
Router (config) # interface partethemet o/o Router (configrif) # ip address 40-0.0.10 25.0.00 Router (config-if) # no shut Router (configuil) It exit-Router (only) # exit.

Router 4: Router # config t. Router (# confis) # ip roide 30.0.0.0 25.0.0.0 25.0.0. Routa (confg) # prade 40.0-0.0 255.0.0.0 20.00.2 Router (config) # exit Similarly for Router 2: Router # configt Router (coopy) # ip soute 10.0.0.0 255.00.0 20.0.0. Router (config) # ip soute 40.0.0.0 285.0.0.0 30.0.0.20 Router (walig) It exit. Router 3: Router H configt Router (config) # ip route 10.0.0.0 255-0.0.0 30.0.0.10 Routa (cortig) # ip route 20.0.0.0 255.0-0.0 20.0.0.10 30 Select simulation made, select simple PDU send a simple PDU from one Pc to another 40 Use capture button to capture every transfer 5. Click on the PD during every transfer to see the inbound and outbound PDU details. Observe that there is a difference of 1 in 6. the TTL when if voosses every router.

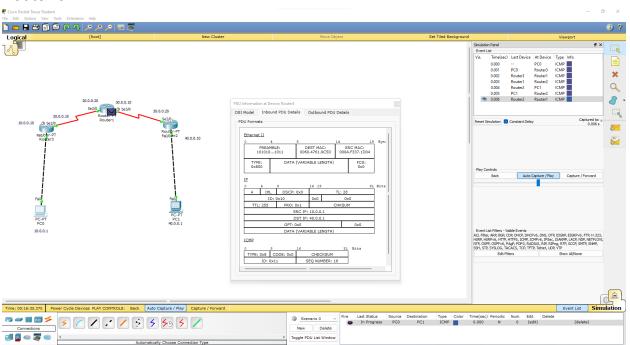


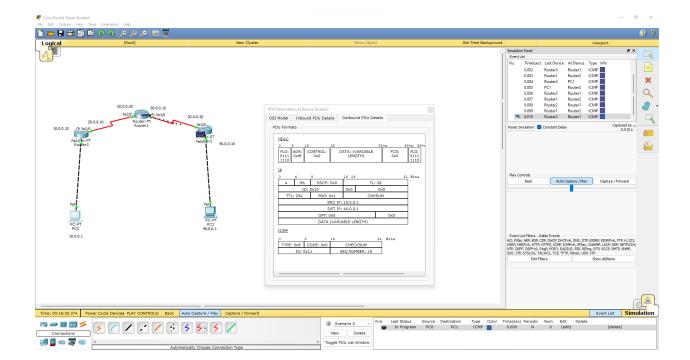
## **Result:**

## PC0:

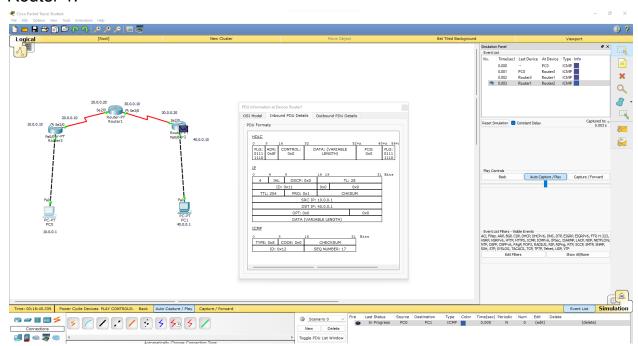


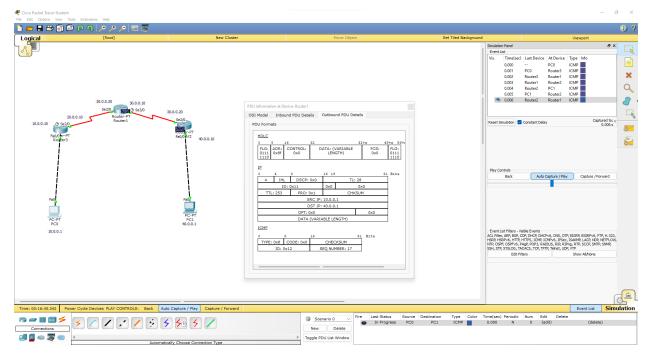
#### Router 0:



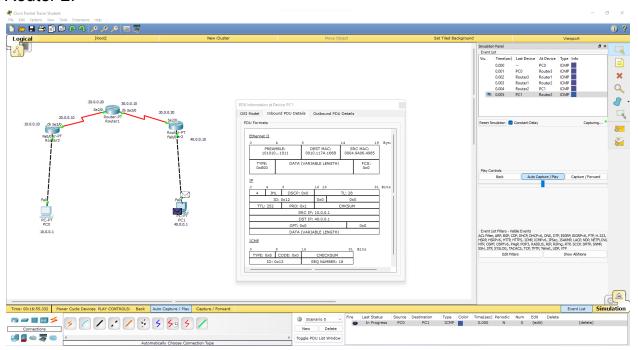


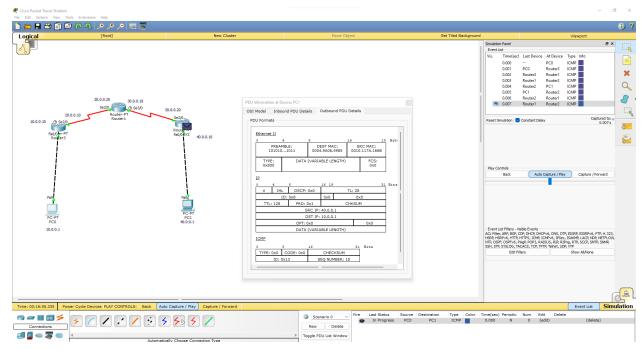
#### Router 1:





#### Router 2:





## PC1:

