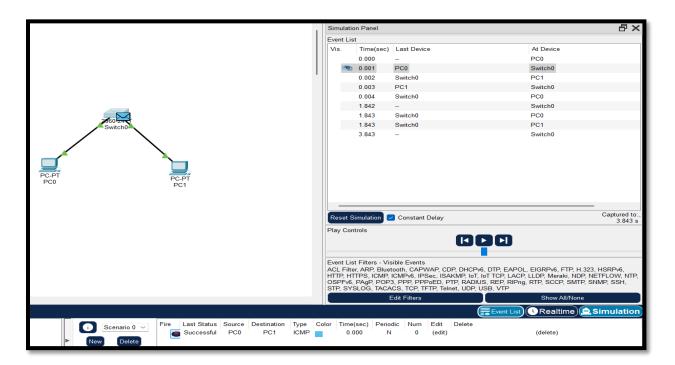
Question-2:

Capture and analyze Ethernet frames using Wireshark. Inspect the structure of the frame, including destination and source MAC addresses. Ether type, payload and FCS. Use GNS3 or Packet Tracer to simulate network traffic.

A simple network topology was designed using Cisco Packet Tracer, consisting of

- Two end devices (PC0 and PC1)
- One network switch
- Ethernet connections between the devices and the switch

Each device was configured with unique IP addresses within the same subnet to facilitate communication.



Ethernet frame:

