Experiment 1:

Creating a topology & stimulating sending simple PDU from source to destination using hub & switch & as connecting devices.

Step 1 : A network was connected with PC & hub. A simple PDU was stimulated in the network. The stimulation process was as follows
→ A message was transferred from PC to hub in layer 1
→ Later from hub to PC2. In Layer 3 we de-encapsulate & transfer the message which is finally encapsulated.

Step 2 : Till now message has gone from PC-0 to Hub to PC1. Now from PC1 it goes to the Hub.
→ A message is transferred.

Step 3 : The message is finally transferred from hub to PC1 & is decapsulated.

Step 4 : 2 PC's & a switch is added to the network & the Gateway's & IP's are configured for the PCs.

Step 5 : Once again a simple PDU was stimulated.
→ Message is transferred b/w PC1 & hub
→ Message from the hub is sent to PC1 & switch. The message is rejected at switch
→ Message from PC1 to hub is sent

→ Message is sent from hub to PCO to switch & message is rejected at switch.