PRANAV JAGADEESH   IBM18CS071   24/09/2020

Program 1

Observations :

We create a network between two (PC$_0$ and PC$_1$) PCs and hub and conduct simulation. We transfer a message from PC$_0$ to hub in layer 1 and later from hub to PC1. The message was De-encapsulated, transferred and encapsulated.

A message was transferred from PC$_0$ to hub in the first layer and from hub to PC$_1$ in layer 3.

The simple PDU was simulated. 2 PC's and switch is added to network. Gateway and IP address of PC's are configered. We do simulation and PDU is transmitted again.

The hub and switch are connected using copper cross. We do simulation and a simple PDU is transmitted. Message from hub was transmitted to PC$_1$ and switch.

The PC$_1$ sends confirmation back to PC$_0$ via hub. The switch sends message to PC$_2$, receives confirmation sends back to PC$_0$ and PC$_1$. PC$_0$ accepts confirmation and PC$_1$ rejects it.