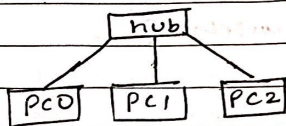


1) Observation :



Step 1 : Place 3 end devices & one hub

Step 2 : connect them using cables

Step 3 : set their IP address

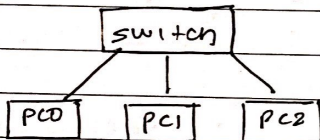
Step 4 : Add simple PDU to each device

Steps : run simulation

outcome

hub receives message from PC0 & sends it to other devices PC1 & PC2 simultaneously & these devices accept or reject the message

2)

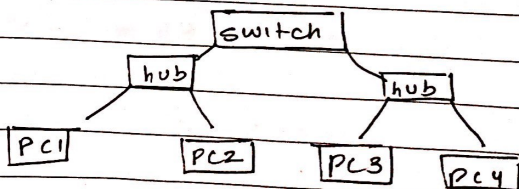


follow the same steps as the hub topology.

OBSERVATION

Though the end devices are connected with each other through a single switch only the pairs of devices can communicate with each other.

3



→ set all the devices by connect them to each other. Then set IP address

→ outcome

PC1 → PC3

1) PC1 sends message to hub & hub then sends it to PC2 & switch.

2) PC2 rejects the message & switch sends it to the hub.

3) The hub then sends it to PC3 & PC4 simultaneously.

4) PC4 rejects the message & PC3 sends acknowledgement to PC1.