

24th sept 2020

LAB-1

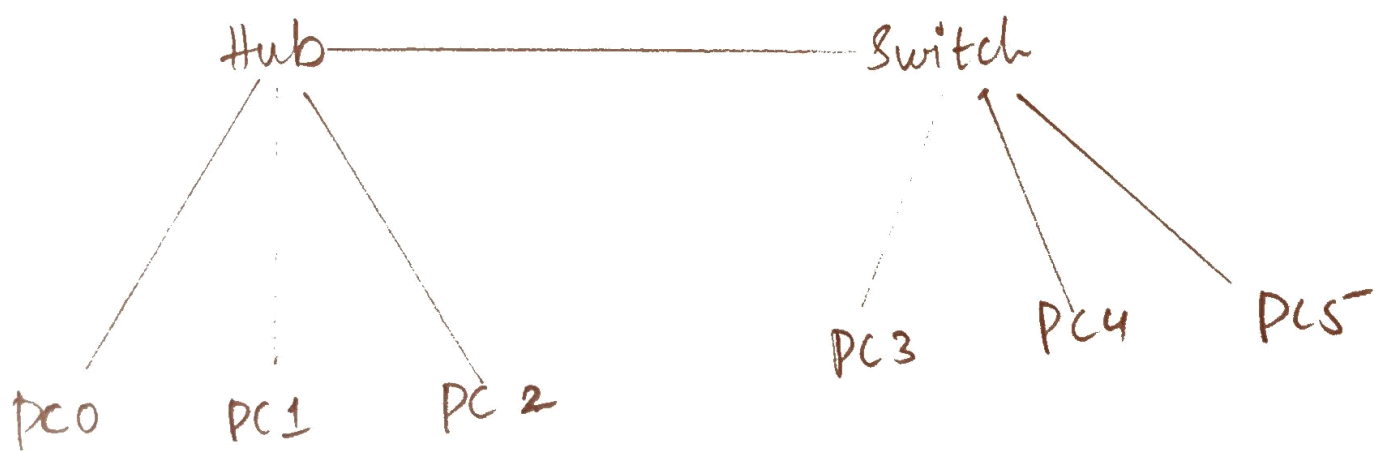
NIHA

S-B

IBM18CS060

1. Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting device.

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1. Topology is created using hub with which are connected to 3 PC's and switch which are connected to another 3 PC's
 2. Here, Hub works as broadcasting device & Switch works as uni-casting device.
 3. End-devices i.e., PC's acts as source and destination.



4. To send any Packet IP addresses need to be assigned to each end device.
⇒ click on each PC → config → fastEthernet 0
→ set the static IP to 10.0.0.1
10.0.0.2
and
so on.

5. A simple PDU is sent from source of hub to destination of switch.

7. The network is ready

8. Using, Hub (Physical layer) and switch that is (Data-link layer) we have implemented ~~the~~ Data Unit protocol i.e., transmitted of single unit of information among peer entities of computer network.