

Exp No: 3

Practical - 03

DATE: 30/7/24

Aim:

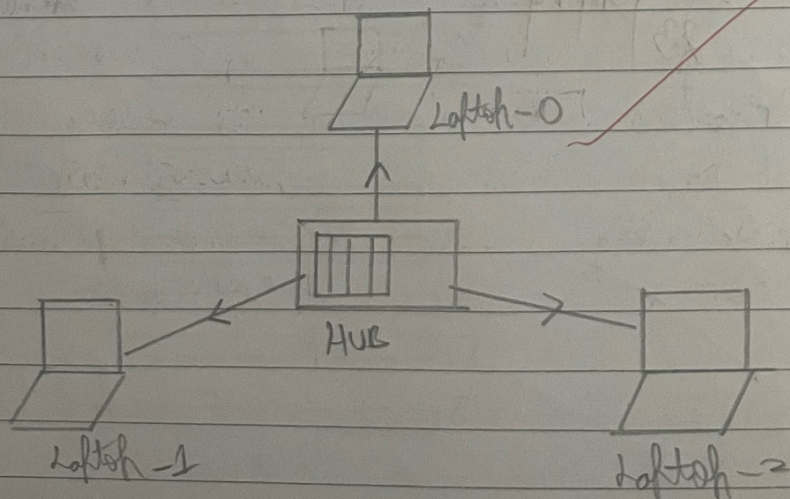
To study the packet tracer tool installation and user interface overview

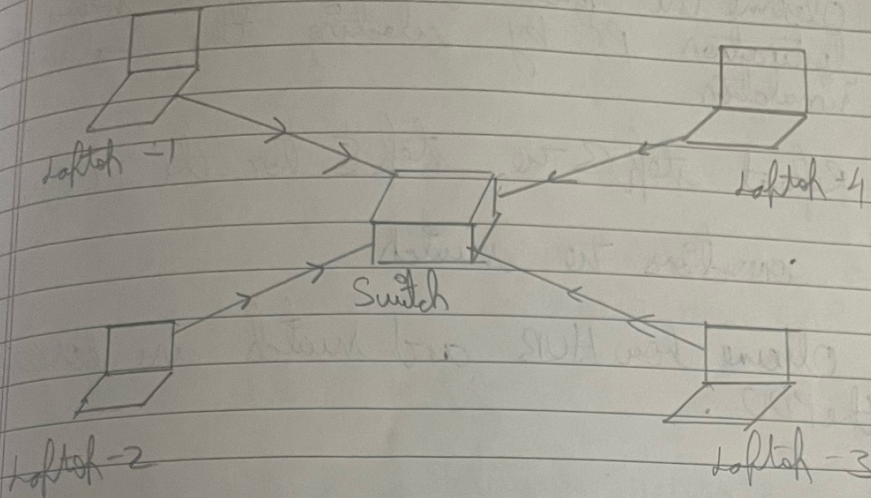
1) From the network component box, click and drag and drop the below components:

- a) 4 - Generic PCs and one HUB
- b) 4 - Generic PCs and one switch

2) Click on connections

- a) Click on copper straight through cable
- b) Select one of the PC and connect to HUB using the cable. The link LED should glow in green, indicating that the link is up.





3) Click on the PC's connected to hub, go to the desktop tab, click on the IP configuration and enter IP address and subnet mask. Here, the default gateway and DNS servers info is not needed.

PC0	PC1
IP configuration	IP configuration
IP configuration <input type="radio"/> DHCP <input checked="" type="radio"/> Static IP address <u>10.1.1.1</u> Submask <u>255.0.0.0</u> Default gateway _____ DNS server _____	IP configuration <input type="radio"/> DHCP <input checked="" type="radio"/> Static IP address <u>10.11.2</u> Submask <u>255.0.0.0</u> Default gateway _____ DNS server _____

4) Observe the flow of PDU from source to destination PC by selecting the real time simulation.

5) Repeat step 3 to step 5 for the PC's connections to switch.

6) Observe how HUB and switch are forwarding the PDU.

Students observe:

- Hub is used for broadcast transmission whereas switches are used for selective forwarding.
- Mesh topology.

RESULT:

Thus the study of packet tracer and interfaces are overruled.

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30/11/24