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# Experiment -3

Aim:

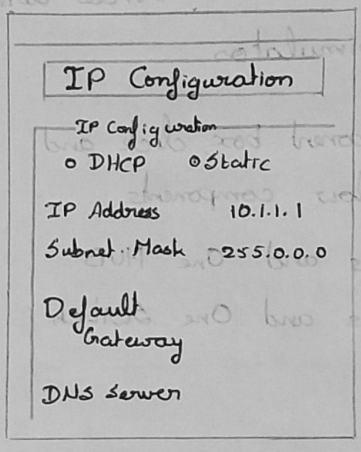
To study packet tracer tool installation and user interface

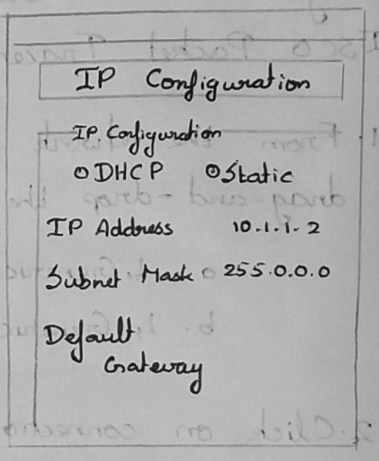
Analyze the behaviour of network devices using CISCO Packet Tracer Simulator

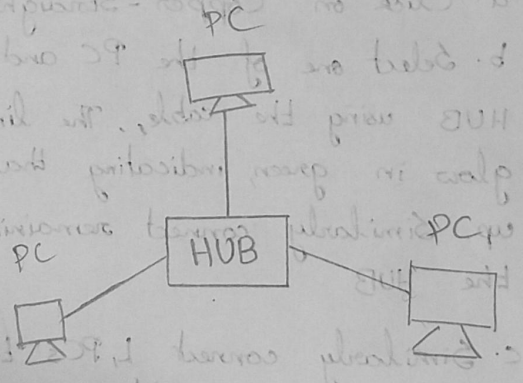
1. From the network component box, click and drag-and-drop the below components
   a. 4 Generic PCs and One HUB
   b. 4 Generic PCs and One Switch

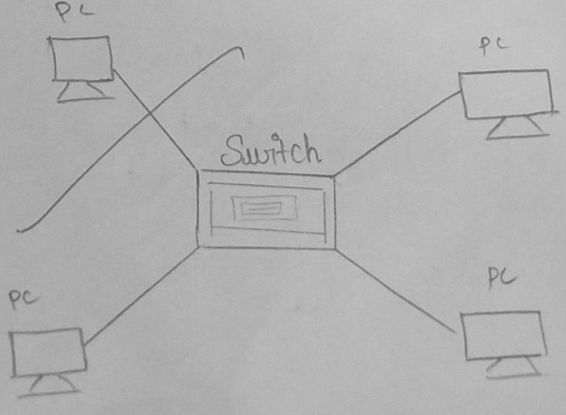
2. Click on connections:
   a. Click on Copper - Straight - Through cable
   b. Select one of the PC and connect it to HUB using the cable, The link LED should glow in green, indicating that the link is up. Similarly connect remaining 3 PCs to the HUB
   c. Similarly connect 4 PCs to the switch using copper straight-through cable.

3. Click on the PCs connected to HUB, go to the Desktop tab, click on the IP configuration and enter an IP address and subnet mask. Here the default gateway and DNS server information is not needed as there are only two end devices in the network.



From your observation write down the behaviour of Switch and Hub in terms of following the packets received by them

1-Hub

— Forwards data packets to each and every connected computer.

Switch

— Forwards data to specified destination

Find out the network topology implemented in your college & draw and label the topology:

Mesh Topology

Result:

The study of packet tracer tool ~~imp~~ installation & user interface overview has been successfully completed.

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