

Exp No: 3

Date: 24.7.  
2025

study of packets tracer tool  
installation and user interface  
overview

Aim:-

To study the packet tracer tool  
installation and user interface overview

Installing packet Tracer:-

- \* Go to <https://www.netacad.com>
- \* log in with your cisco Academy credentials.
- \* click on packet tracer graphics and download

User Interface Overview:-

The layout of packet tracer is divided into several components.

1. Menubar - common menu for open, save etc.
2. Main toolbar - open, undo, redo and shortcut
3. Logical/physical workspace - toggle b/w work
4. common toolbar - tools like select, move, place, delete etc.
5. simulation tools - used to toggle between real and simulation



6. Network component box - contains network and end devices

7. User created packet box - Users can create highly customized packets and test and show results.

### Analysis of behaviour of Network devices using CISCO Network :

1. From the component box :

a) 4 generic PC's and one HUB

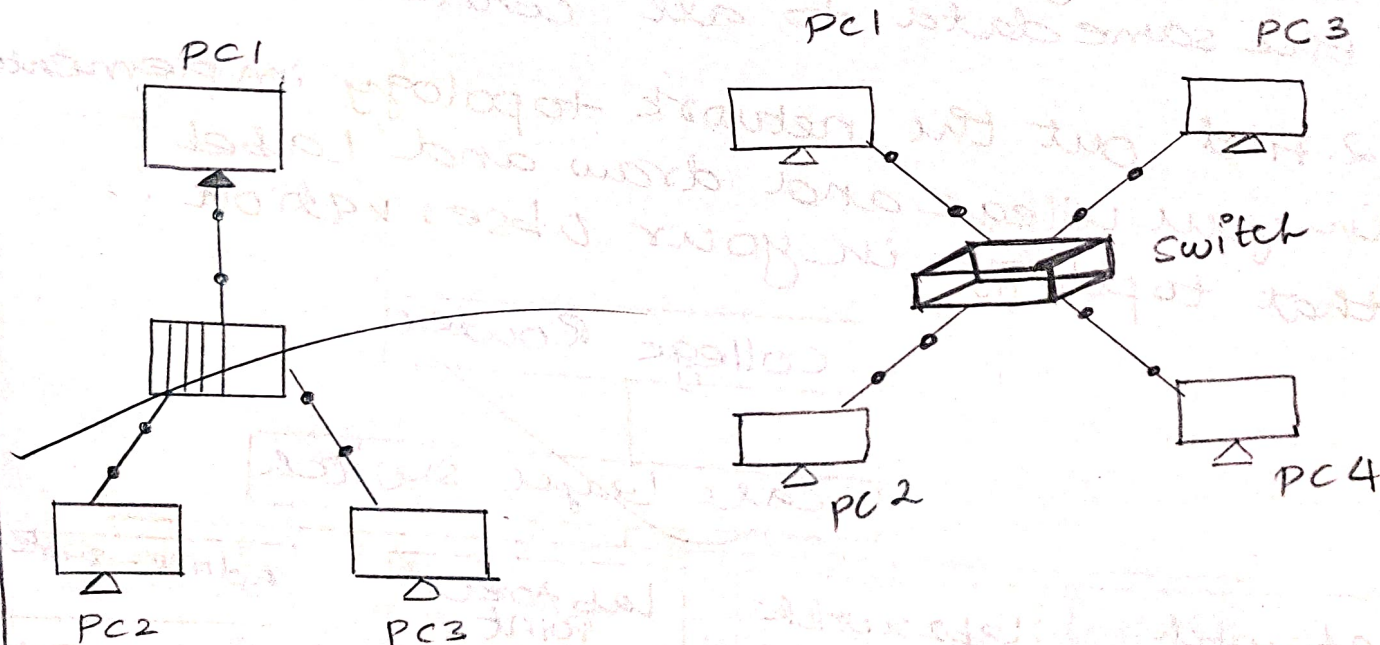
b) 4 generic PC's and one switch

2. click on connections :

a) click on copper straight through cable

b) select one of the PC and connect it to the HUB.

c) connect the HUB to the switch





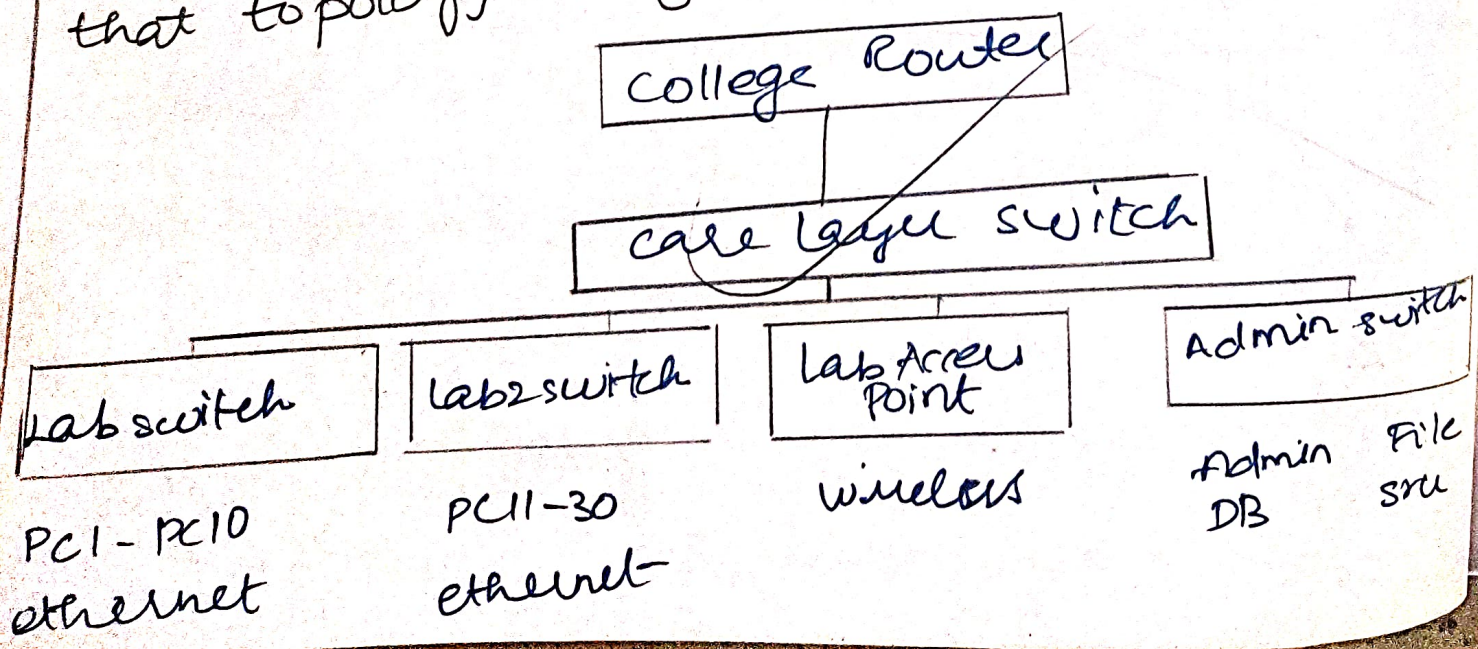
3. Click on the PC's connected hub to the desktop then click on IP config and enter an IP address.
4. Observe the flow of PDU from source PC to destination PC by selecting simulation mode
5. Repeat step 3, 4 for PC's connected to the switch

### STUDENT OBSERVATION :

1. From your observation write down the behaviour of switch and hub in terms of forwarding packets received by them

HUB: When a PC sends data to another PC through a hub, the hub sends the same data to all connected PC's.

2. Find out the network topology implemented in your college and draw and label that topology in your observation.





Result :

Thus the behaviour of network devices has been successfully analyzed using CISCO packet tracer simulator.