LAB - 1

Interface Overview (Cisco Packet Tracer)

Types of Workspace:

A) Logical Workspace:

B) Physical Workspace;

Types of Modes :-

A) Simulation mode: - to run controlled networking scenarios, work will drag/drop operations.

B) Real time mode: to view the network you built, work will codes, view your simulation will the help of codes.

Creating Networks

1) Select End Devices.

2) Click on them, click on config and give a name to your device

3) Go to fast ethernet and given an IP address to your device and click on subnet mask. (0.0.0.226)

4) Add a note below the device that made the IP address of your end device (OPTIONAL, BUT GOOD PRACTICE)

5) For devices within the same layer use a cross-over cable (dashed-line).

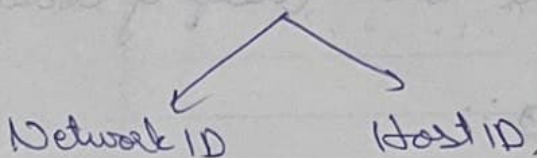The lights should turn green, if they don't your supposed to use another cable.

Capturing events and Viewing Animation in Sim Mode.

1) Add a simple PDU from PC to deliver.

2) Click on Auto Capture/Play to view the animation.
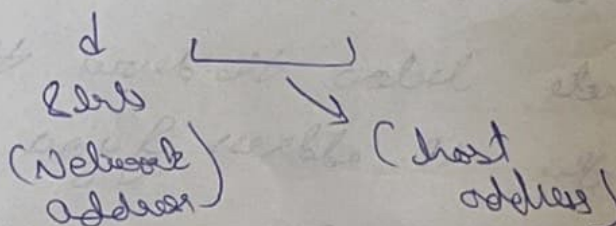
MORE ON IP-ADDRESS

IP-Address - 4 octet
(32 bits)

Network ID   Host ID.

Eg:
10.0.0.1 → 4 octets

Network address + host address

(255.0.0.0) → Subnet Mask.

(Network address)   (host address)

PDU - Protocol Data Unit