

Lab Objectives:

- To create small LAN contains three PCs and a hub using Packet Tracer
- To use Packet Tracer to simulate a small LAN
- To show the movement of packet in each layer

Lab Exercise

We will create a simple LAN contains three PCs named (A, B and C) connected by hub (as shown in the following figure) and perform a ping between PC “A” and PC “B” in real-time mode and simulation mode

Using Packet tracer do the following

1. Add three PCs to the workspace
2. Rename them and set their IPs as the following

PC Name	IP	Mask
A	10.10.10.1	255.0.0.0
B	10.10.10.2	255.0.0.0
C	10.10.10.3	255.0.0.0

3. Add hub (hub-PT) to the workspace
4. Connect the hub to the three PCs using Copper Straight-through
5. Perform a ping between PC” A” and PC “B” in real-time mode
6. Switch to simulation mode, Send ICMP message between PC “A” and PC “B
7. Run the simulation
8. See the movement of packet in each layer and at each device and understand it.