# Lab 2: Creating a simple LAN by using switch/hub .
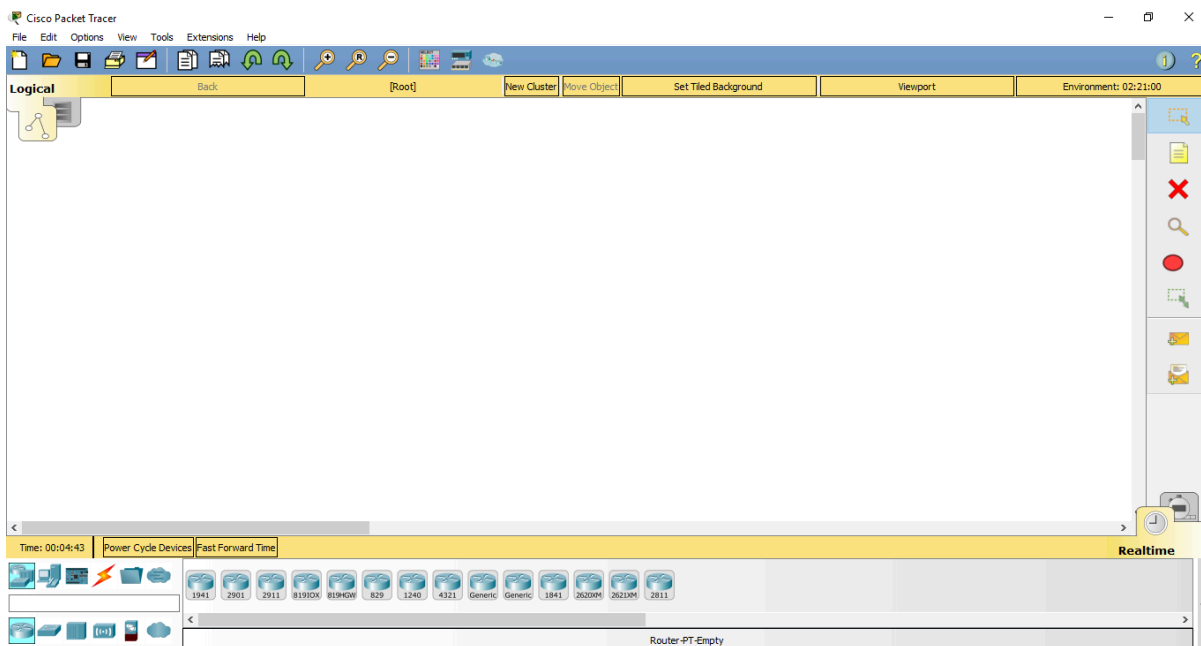
---

**Objective:** A simple Switch LAN.

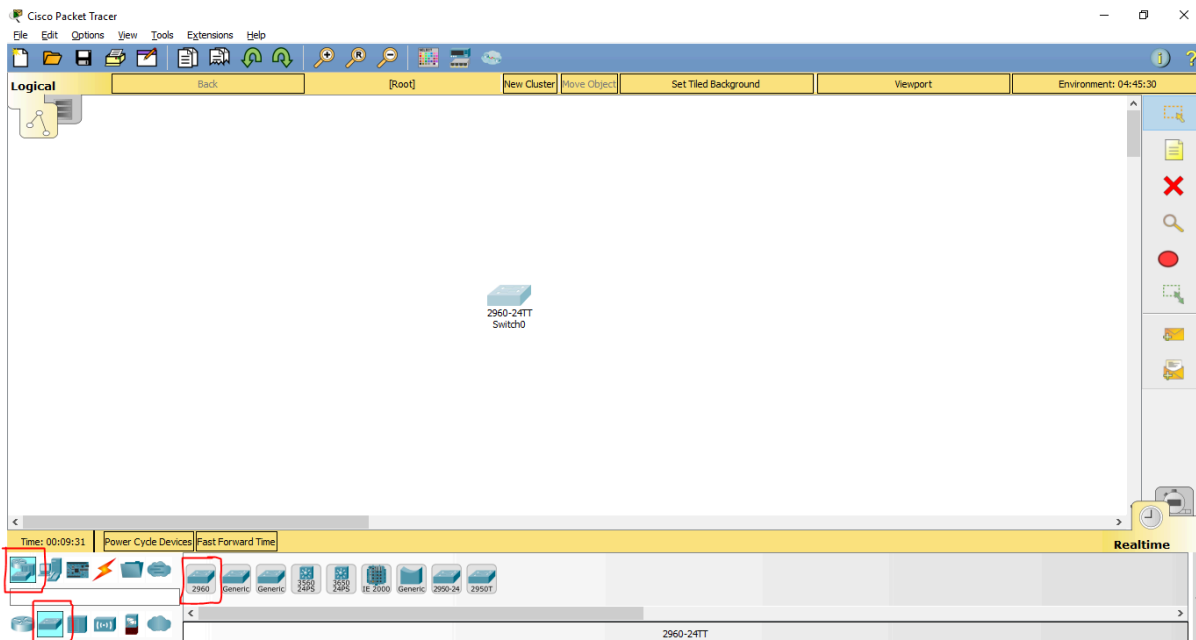**Software:** Cisco Packet Tracer Student Version.

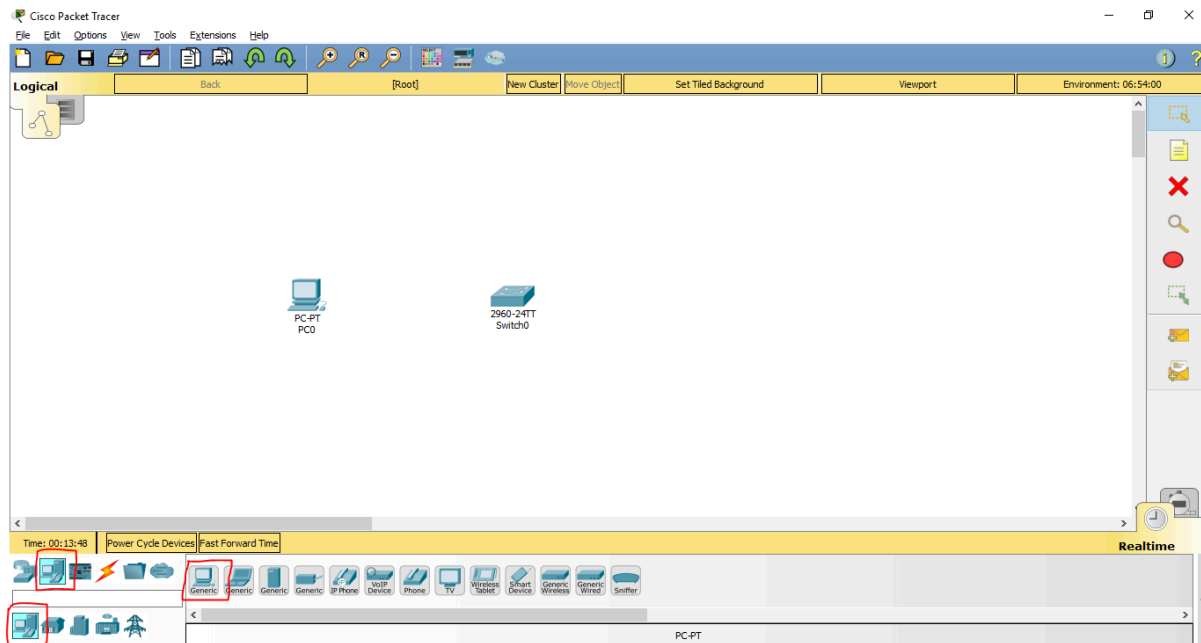**Required:** 1 Switch and 10 PCs.

## Procedure:

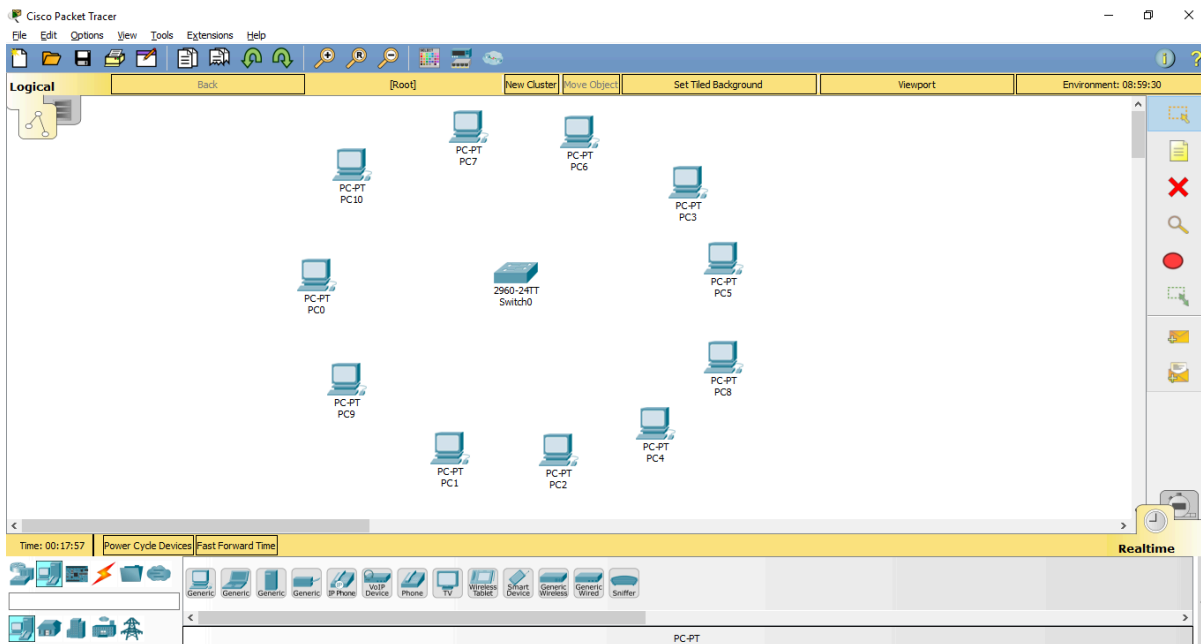**Step 1**: Open Cisco Packet Tracer from desktop.



**Step 2:** Select Network Device (at bottom left) then select Switches and select a switch (2960) then drag it to the interface window.
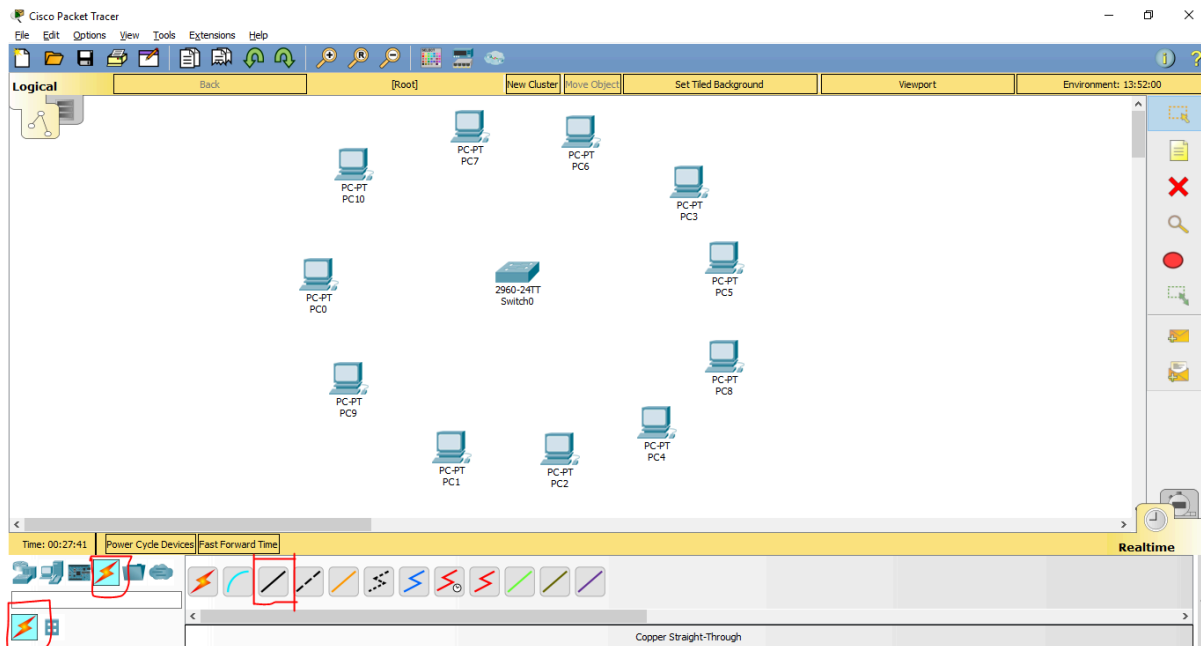
**Step 3**: Now Select End Devices(at bottom left) then select Generic computer and drag it to the interface window.
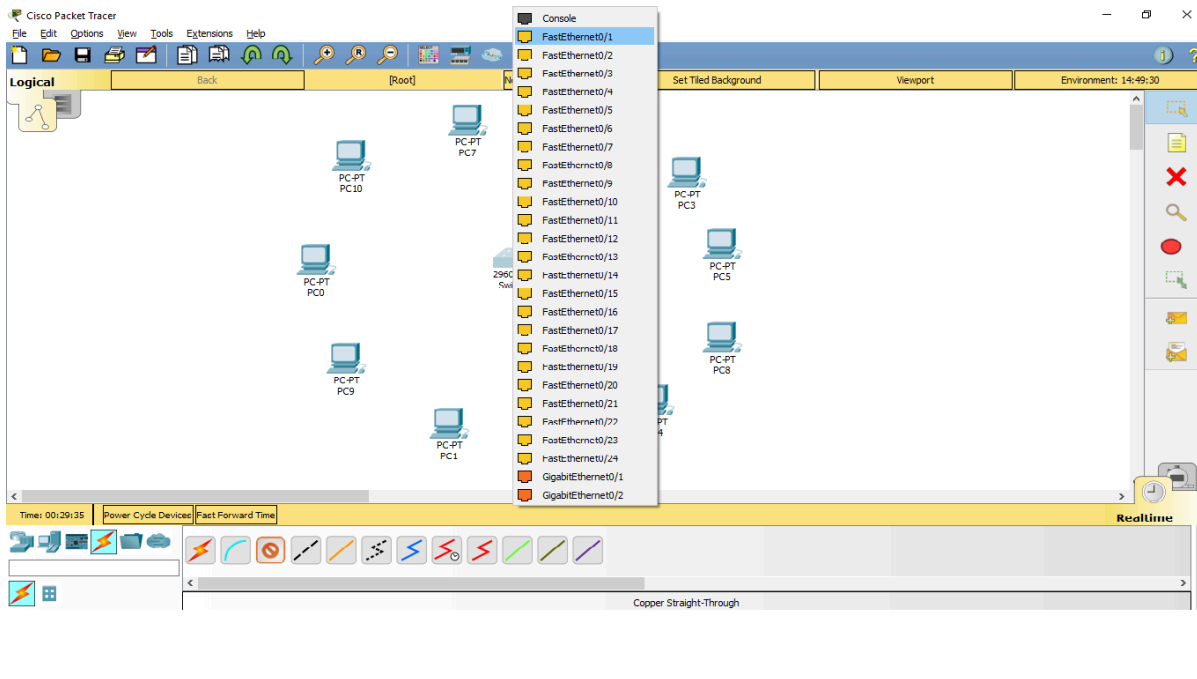


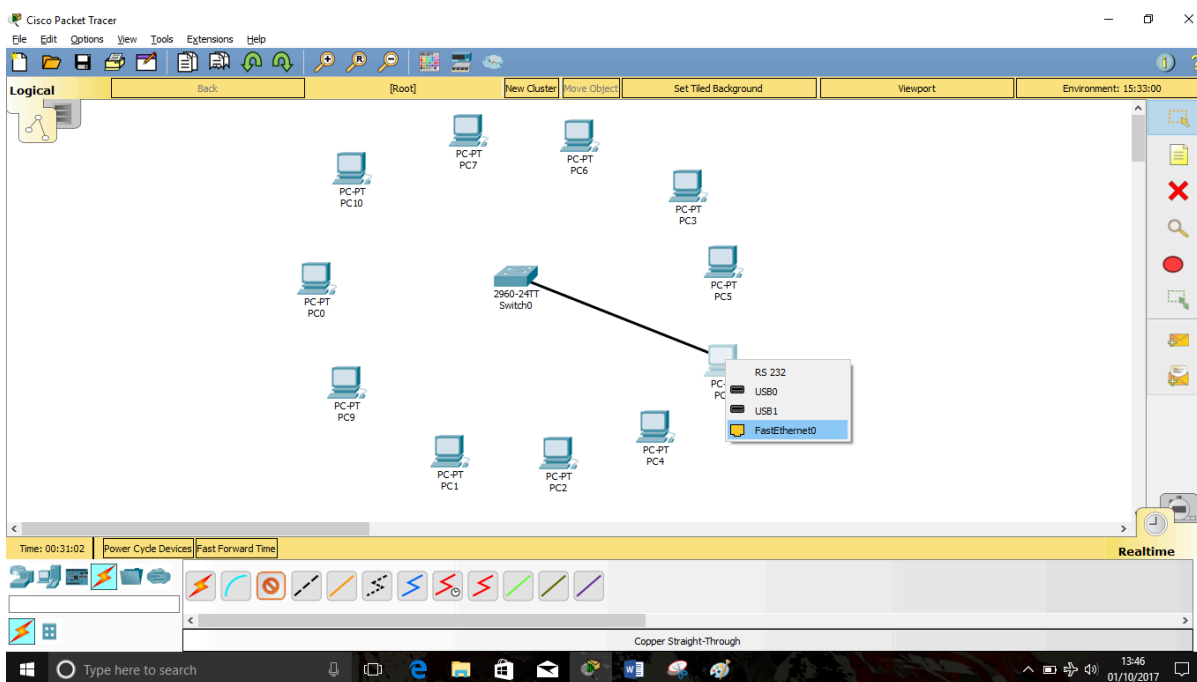**Step 4:** Repeat Step 3 9 times to drag 9 more End devices.

**Step 5**: Now select a Copper Straight-Through wire for Connection. Click connections (at bottom left) then select Copper Straight-Through wire.
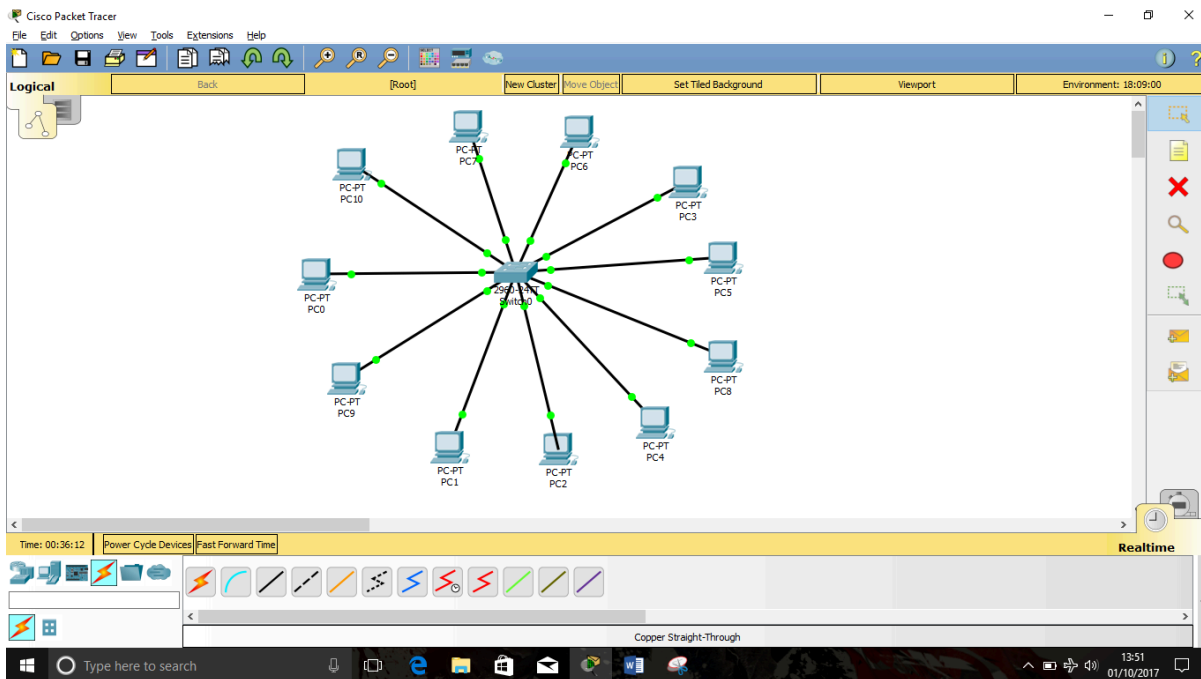


- After selection click on switch and select any empty slot

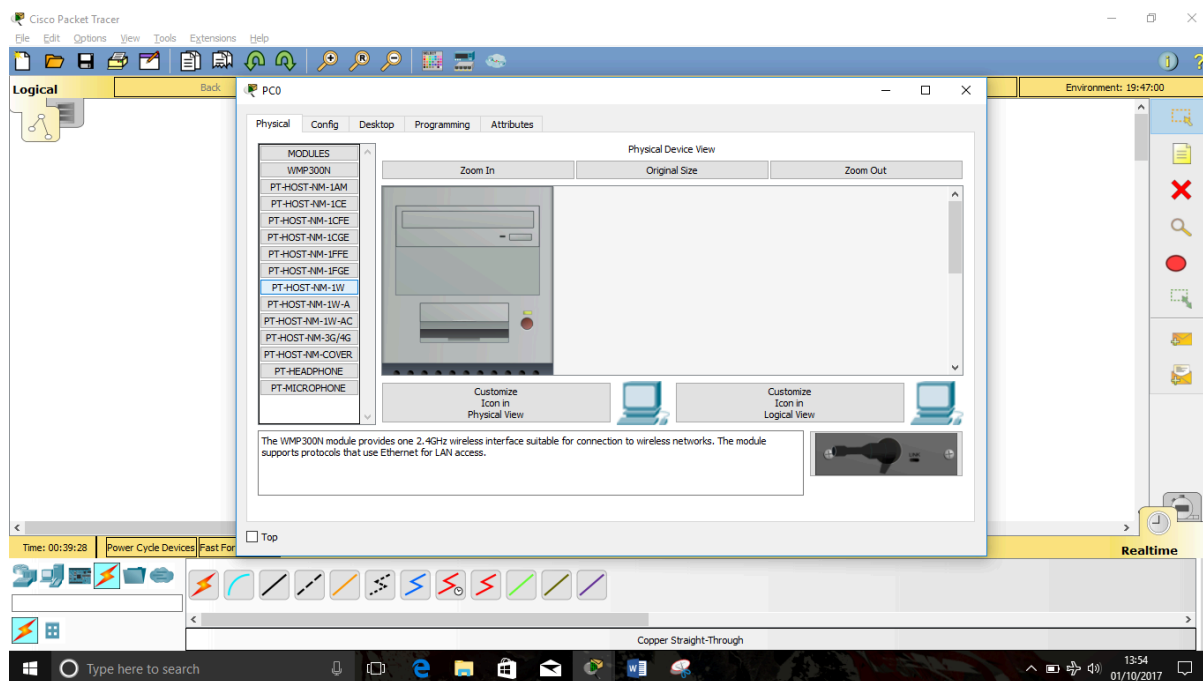- and then click to any of the End Device and select it slot to connect both.



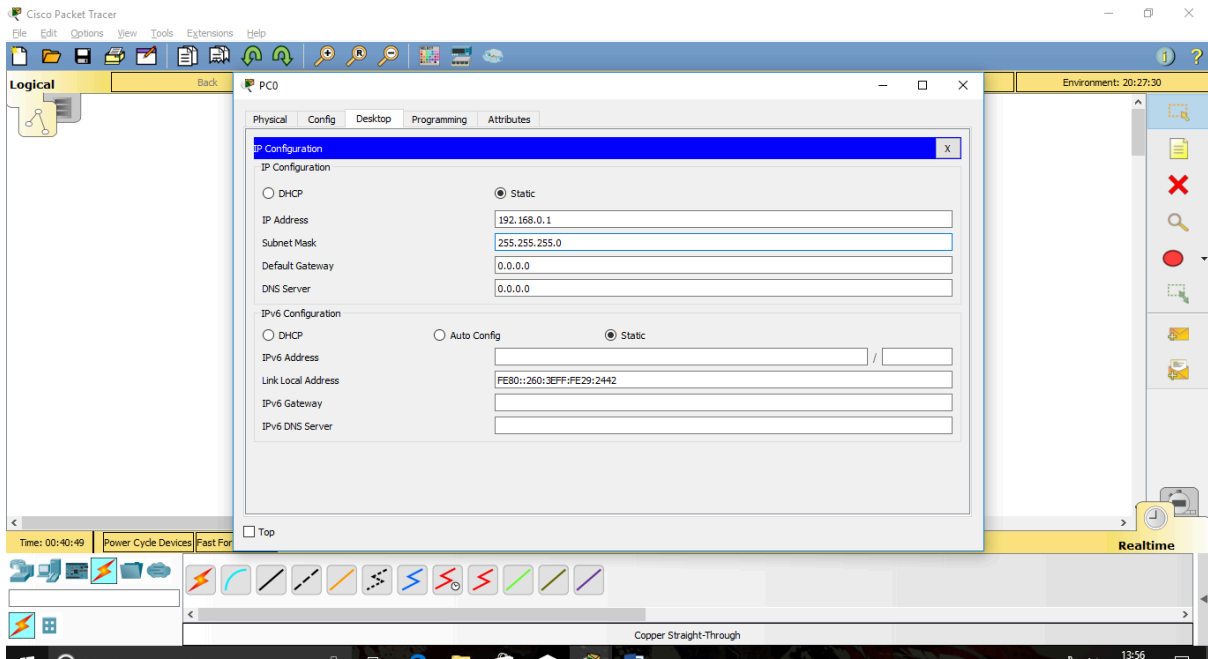**Step 6:** Repeat Step 5 to connect all the End Devices to the Switch.
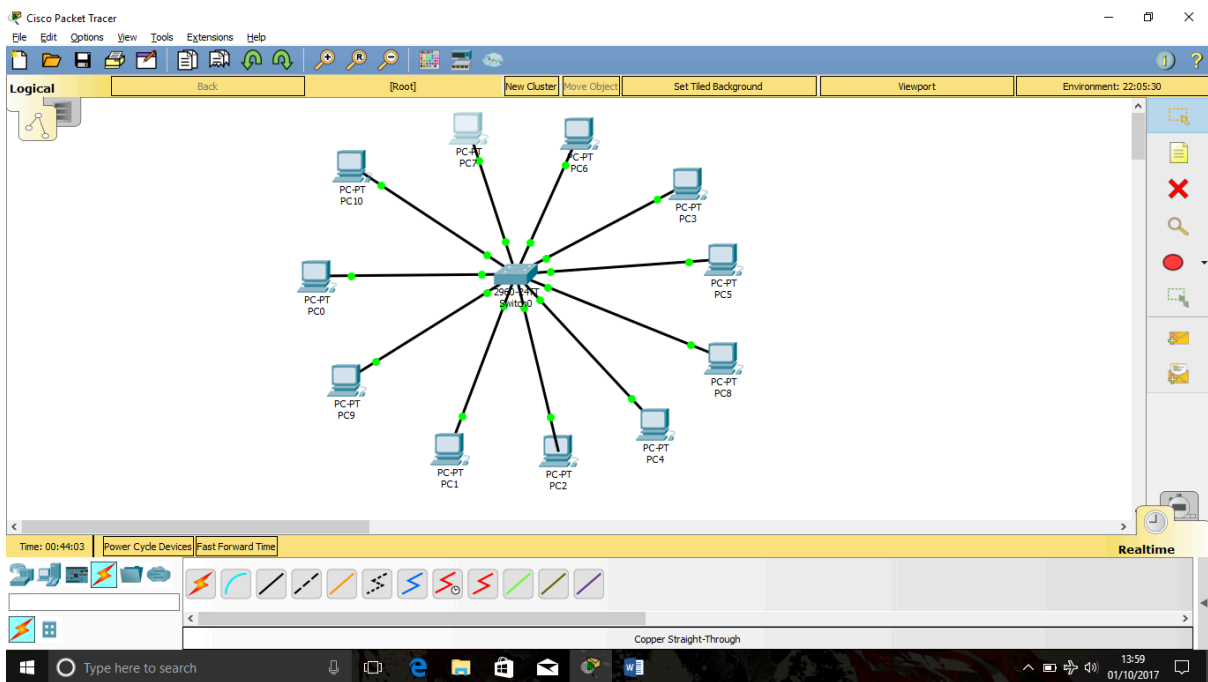
**Step 7**: Setting the IPs of End Device.
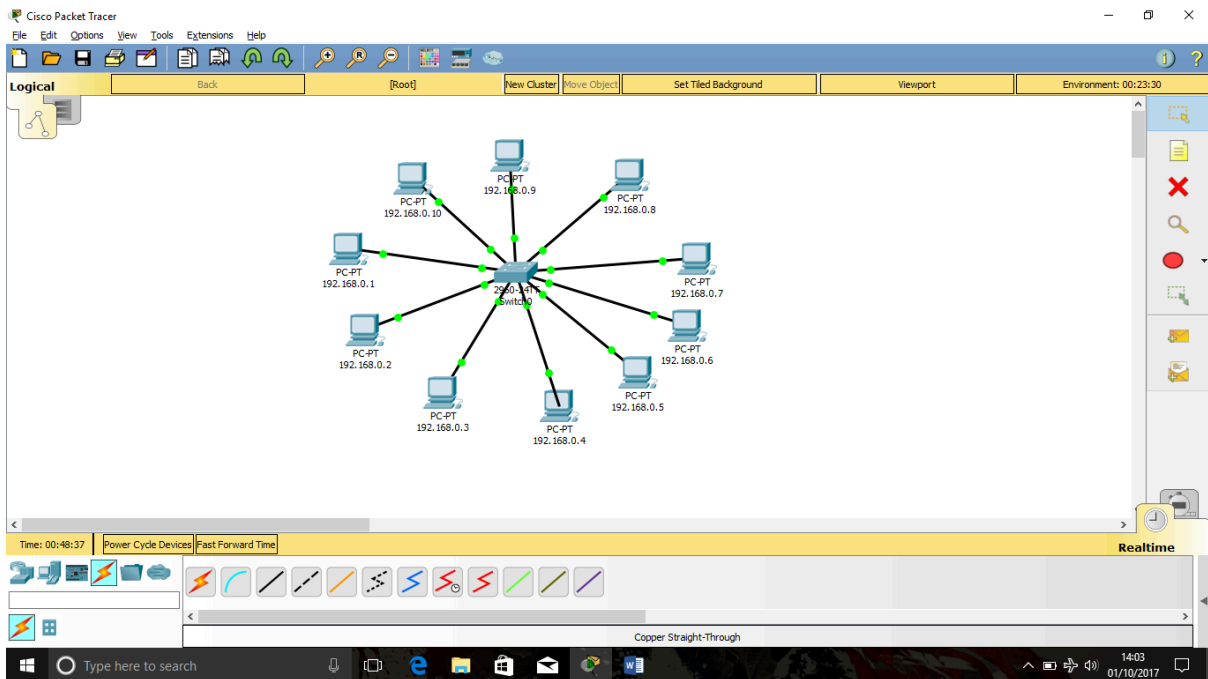
- Click any of the pc to see its settings



- Select Desktop tab then IP configuration and set the id and Subnet Mask.
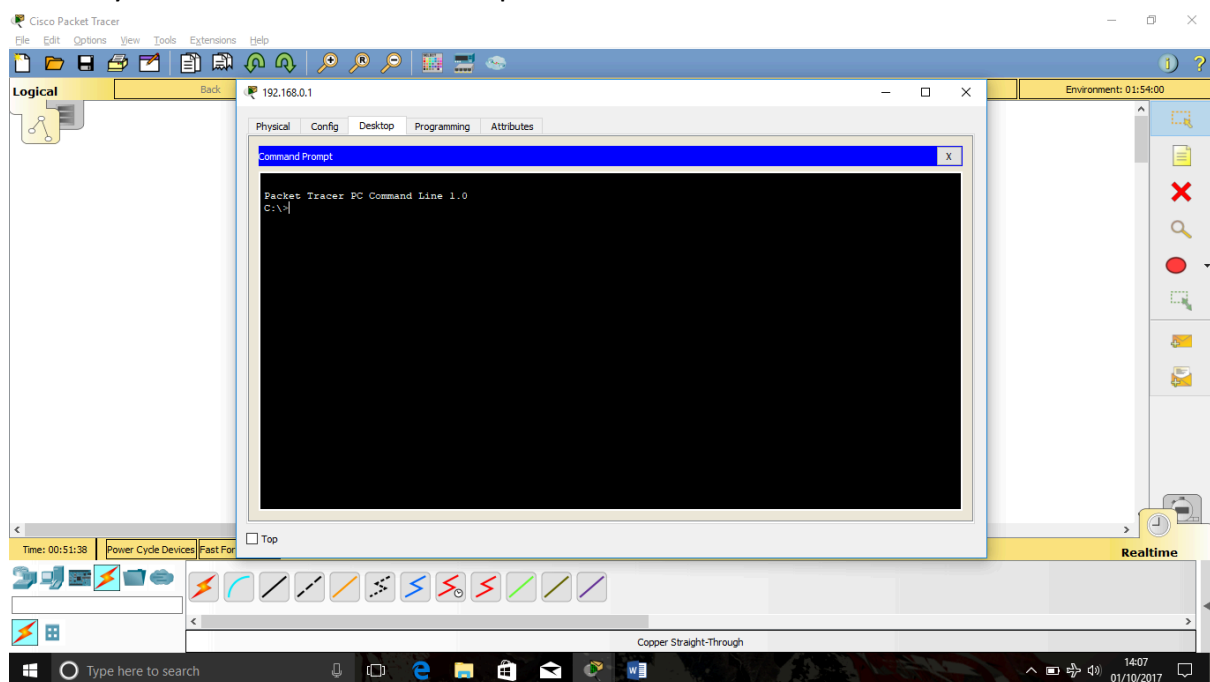
**Step 8:** Repeat Step 7 for all End Devices.



**Step 9:** Now rename all the End Devices to according to the IPs you have provided just click to the name plate to change it.
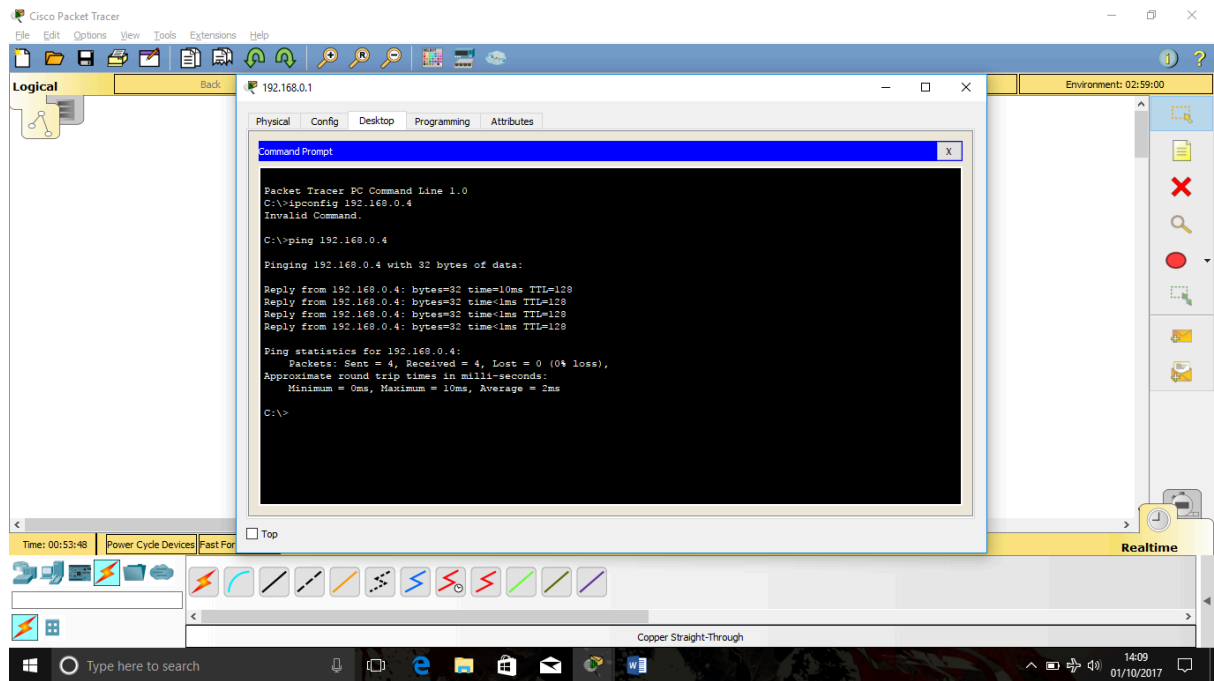
**Step 10**: Now check the connection of any two ends devices.

● Click any End PC then at the desktop tab select run command



● Type PING along with the IP of any other End Device to Check the connection.

The connect is OK between Devices.