Lab 2:Objective:

Part A: Establish Connectivity between End Devices
Part B: Establish Connectivity between a Client & Server

Lab 2
Connectivity between Devices

Part A: Establish Connectivity between End Devices

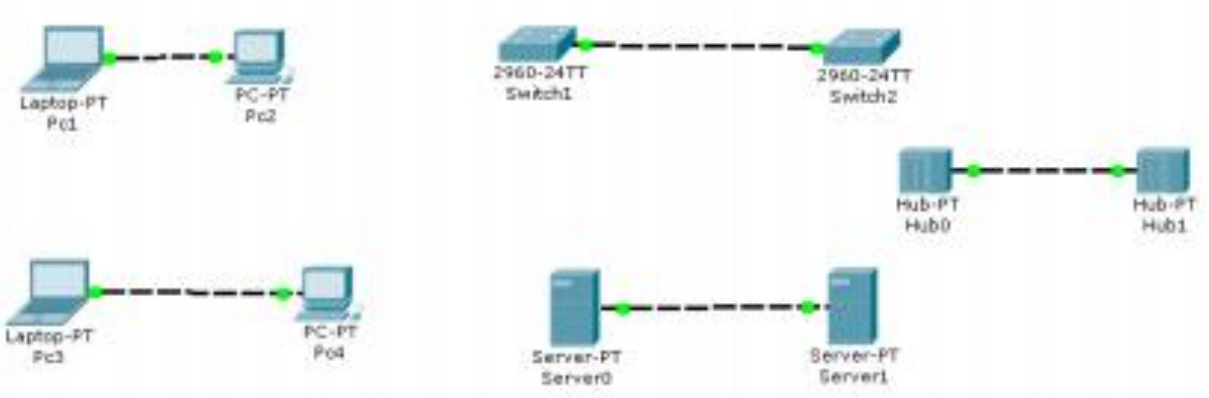

Figure1:Topology Diagram

Refer to figure 1,

Task-1, Drag & Drop

Drag & Drop All the END devices & Intermediary devices

Task-2,Connectivity

Connect these Devices with Copper Cross over cable

Task-3, Checking the Connectivity

After establishing the connectivity between all the devices check that all devices must be Showing GREEN signal.

Part B: Establish Connectivity between a Client & Server

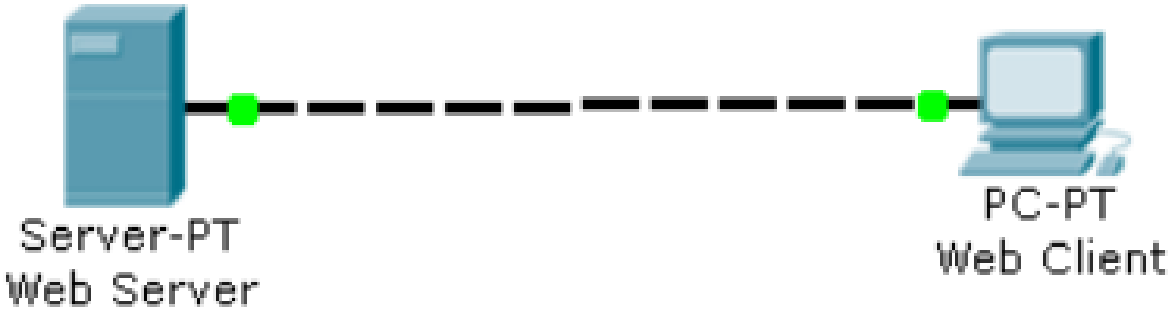

Figure 2: Topology Diagram

Refer to figure 2,

Task –1, Configure Server

Configure Server-Pt with the following

IP address: 192.168.1.254

Subnet Mask: 255.255.255.0

Click on the Server-PT icon Then Select from the Upper menu "Desktop" After selecting the desktop select "IP CONFIGURATION". Place the above Address with respect to their names.

Task-2, IP Configuration on PC

Click on the PC-PT icon then select from the upper Menu "Desktop" After selecting desktop, select IP CONFIGURATION. Place the following address

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Task- 3, IP in URL

Go to the PC-PT icon then select from the upper Menu "Desktop" After selecting desktop, click on the "WEB BROWSER" place the following IP in the "URL"

192.168.1.254

When you hit enter a message will arrive "Welcome to Packet Tracer"

Task- 4, Command Prompt

Finally Again click on the PC-PT icon then select from the upper Menu "Desktop" After selecting desktop, click on "Command Prompt" to check the connectivity between the client & server put the following command in Command Prompt

PC>ping 192.168.1.254

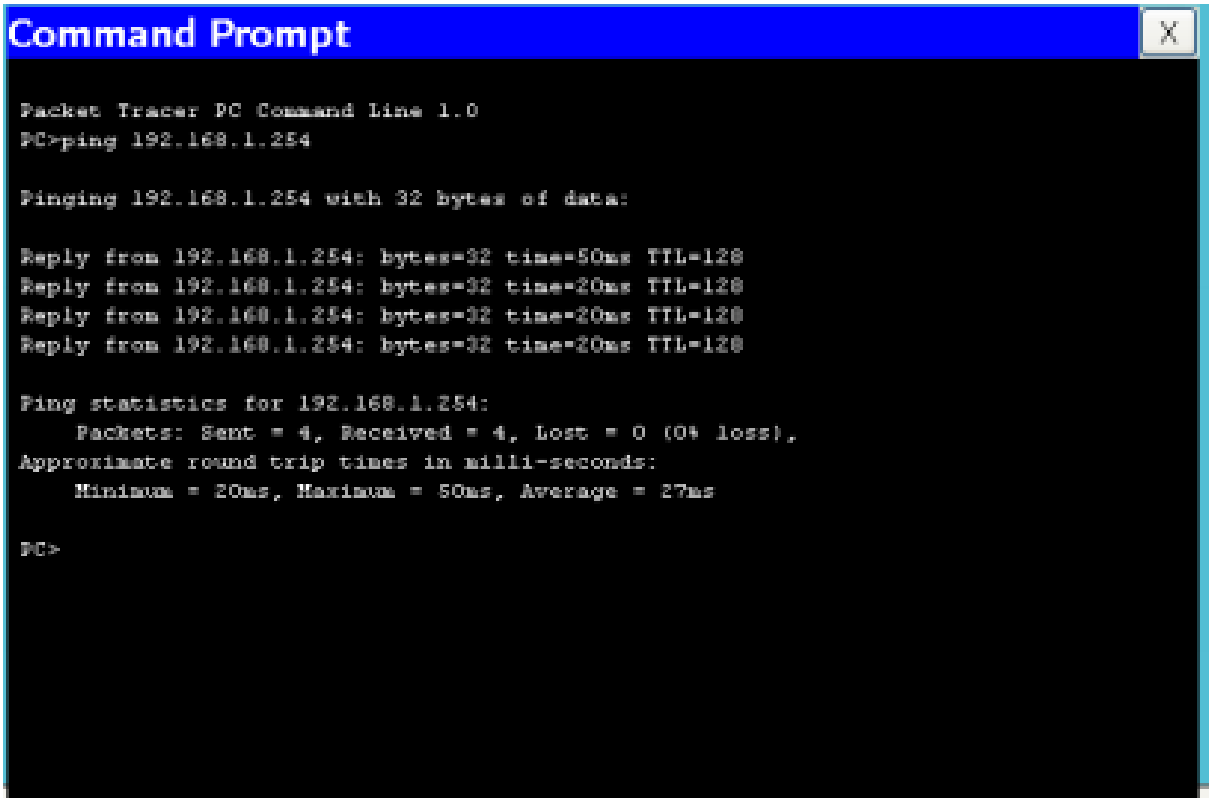

Figure 3: Command Prompt

This would be your Final Result after completing the whole activity.

Lab-2 Exercise:

Design a bus network which consists of 2 routers. Attach 3 PC's and a Server with router 1 switch. At the end of the configuration, any of the attached users can access the Server.