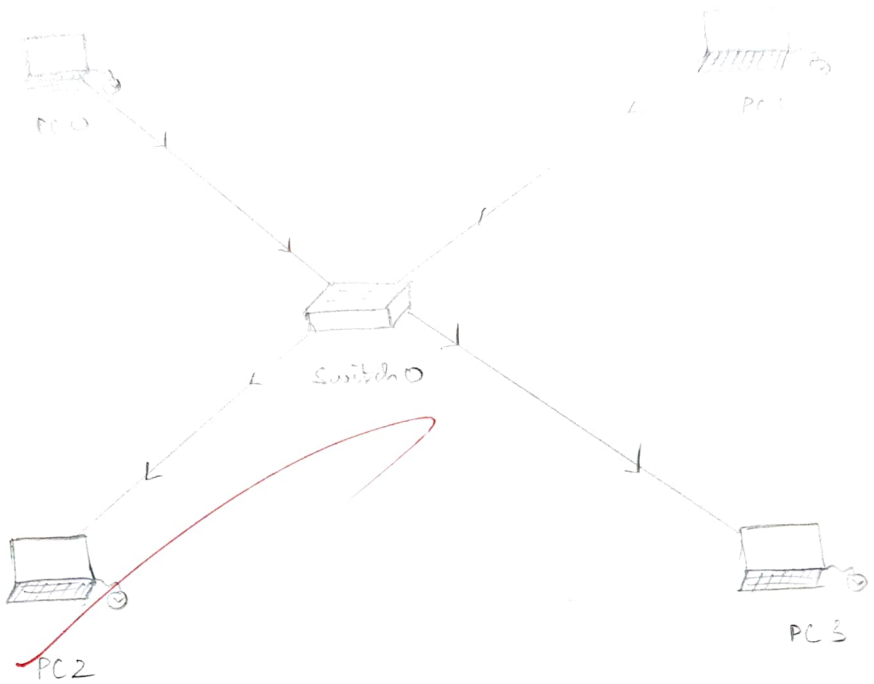# CONFIGURE LAN USING SWITCH

To setup and configure a LAN using a Switch and Ethernet cables in your lab :

1. Plan and design an appropriate network topology

2. You can take 4 computers, a switch which is sufficient and 4 ethernet cables.

3. Connect your computers to network switch via an Ethernet Cable.

4. Assign an IP address to your PCs.

   i) Log on to client PC as administrator

   ii) Click network & internet connection

   iii) Right click LAN → Go to Properties → Select Protocol → Click on Properties → select use the following IP

5. Configure a network switch

6. Check connectivity between switch and other machine by using ping command

7. Select a folder → go to properties → click sharing tab → share it with everyone on same LAN.

8. Try to access the shared folder from other computers of network.

SWITCH

PC 0   PC 1

Switch 0

PC 2   PC 3

Result :

Thus , a switch and Local Area Network
has been setup and configured successfully .