M. S. SATHWICK KIRAN

IBM18CS050

⟹ 1] Creating a topology

Router 0

Router 1

Router 2

PC0

PC1
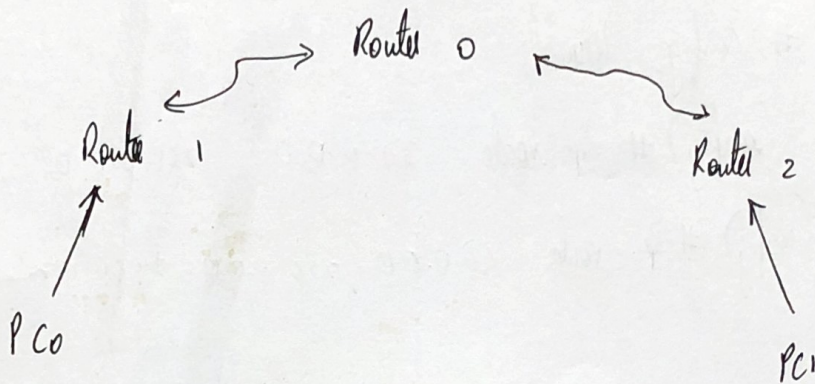
2] Set the gateway & IP address to each end devices.

3] Configure directly connected end devices to routers using CLI console.

→ Router > enable
⟹ Router # config terminal
→ Router (config) # interface fast Ethernet 0/0
→ Router (config-if) # ip address 10.0.0.1 255.0.0.0
→ Router (config-if) # no shutdown

4.] To connect devices which are not connected directly.

→ Router > enable

→ show ip route

→ Route # config terminal

→ Route (config) # ip route 30.0.0.0 255.0.0.0 20.0.0.2

→ Route (config) # ip route 40.0.0.0 255.0.0.0 20.0.0.2

→ exit.

5.] Once, the routers are configured with all devices, the Ping the IP of one of the PC to the other using Command.

→ Ping 40.0.0.0 10

6] If its successful, network is ready.