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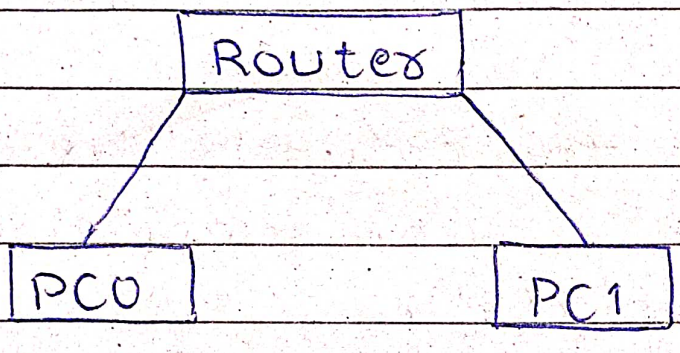
1BM19CS404.

01. Program NO. 02 :



Steps:
1. place one Router (Router-PT) & 2 end devices.
2. connect the end devices to the Router with appropriate cable.
3. set ip address & default gateway to each End device
4. configure the Router using the CLI, put IP addresses same as the respective gateway address of the desktop
5. select PC0 & open the command prompt & ping the PC1 using its ip address

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- Observation:

PC1 replies from 10.0.0.20 : Bytes=32 time=10
PC1 replies from 10.0.0.20 Bytes=32 time=7ms
PC1 replies from 10.0.0.20 Bytes=32 time=9ms
PC1 replies from 10.0.0.20 Bytes=32 time=5ms

Number of packets sent = 4
Number of packets received = 4
Loss = 0%

* Each data packet sent across the network contains address information that a router can use to determine that if the source & destination are on the same network.