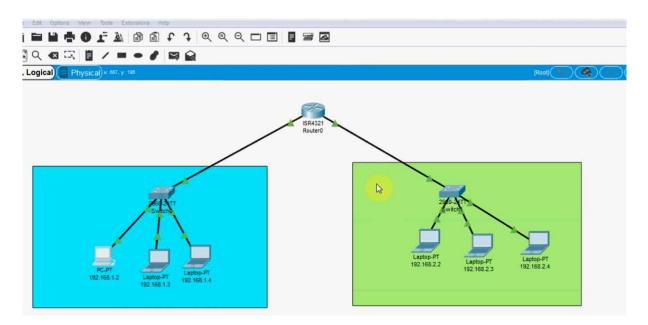


Q//Draw a diagram with networking devices required to do communication between two devices on two different networks.

ANSWER:

We can communicate two different devices on two different networks using router.

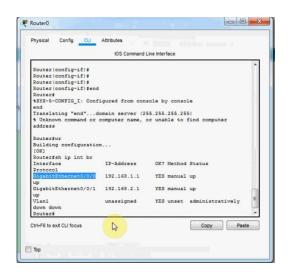
We cannot directly ping two different networks(like switch one two switch two).



STEP 1: ASSIGN IPs TO ALL PCs

STEP 2: ASSIGN DIFFERENT GATEWAYS TO DIFFERENT NETWORKS LIKE: 192.168.1.1 AND 192.168.2.1

STEP 3: CONFIGURATION ROUTER – ADD BOTH GATEWAY ON ROUTER(ip add 192.168.1.1 255.255.255.0) and same for other one.



STEP 4: PING IP FROM ONE PC TO OTHER OF DIFFERENT GATEWAYS.

OUTPUT:

```
Physical Config Desktop Programming Attributes

Command Prompt

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.

Reply from 192.168.2.2: bytes=32 time<ims TTL=127

Reply from 192.168.2.2: bytes=32 time<ims TTL=127

Reply from 192.168.2.2: bytes=32 time<ims TTL=127

Ping statistics for 192.168.2.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms

C:\>ping 192.168.2.2

Pinging 192.168.2.2: bytes=32 time<ims TTL=127

Reply from 192.168.2.2: bytes=32 time<ims TTL=127

Ping statistics for 192.168.2.2: bytes=32 time = Ims TTL=127

Ping statistics for 192.168.2.2: bytes=32 time = Ims TTL=127

Ping statistics for 192.168.2.2: bytes=32 time = Ims TTL=127

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```