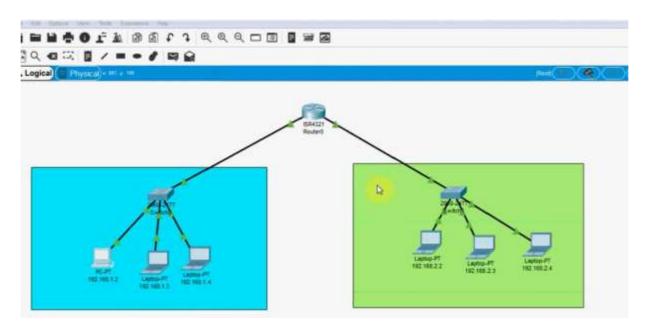
Name:- Rahul Maurya UID :- 20BCS7260

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.

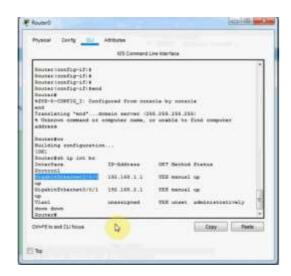
We cannot directly ping two different networks(like switch one two switch two).



STEP 1: ASSIGN IPs TO ALL PCs

STEP 2: ASSIGN DIFFERENT GATEWAYS TO DIFFERENT NET V ORKS 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 Costing Programming Attributes

Command Prompt

Engling 192.168.2.2 with 32 bytes of data:

Bacquest timed dust

Begly from 192.168.2.2: bytes=32 time<1ms TII=127

Engly from 192.168.2.2: bytes=32 time<1ms TII=127

Engly from 192.168.2.2: bytes=32 time<1ms TII=127

Pagly from 192.168.2.2: bytes=32 time<1ms TII=127

Ping statistics for 192.168.2.2:

Factors: Sant = 4, Beceived = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:

Minimum = Ome, Hasimum = Ome, Average = One

C:\Pping 192.168.2.2 with 32 bytes=32 time<1ms TII=127

Engly from 192.168.2.2: bytes=32 time<1ms TII=127

Engly from 192.168.2.3: bytes=32 time<1ms TII=127

Engly from 192.168.1.3: bytes=32 time<1ms TII=127

Engly from 192.168.1.3: bytes=32 time<1ms TII=127

Engly statistics for 192.168.2.3: bytes=32 time<1ms TII=127

Engly statistics for 192.168.3.3: bytes=32 time<1ms TII=127

Engly from 192.168.3.3: bytes=32 time<1ms TII=127
```