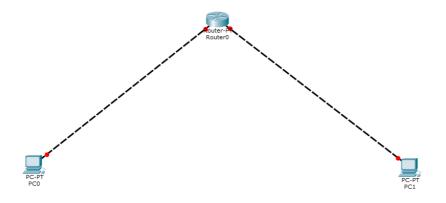
WEEK 2 (1BM21CS213)

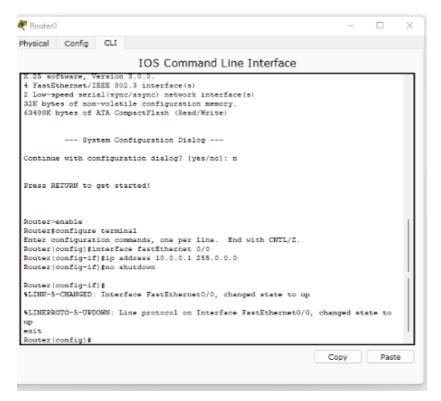
Outcomes:

- Routers are used to establish connection between two different networks.
- End devices are connected to the routers with the help of interface.

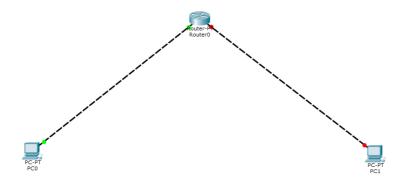


Configuration of Router:-

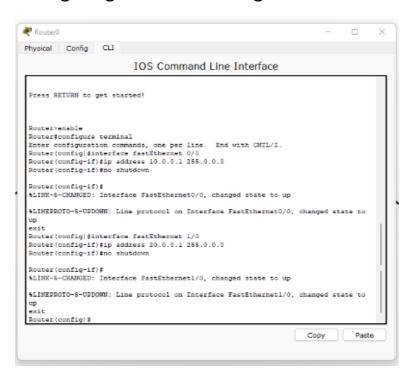
Configuring the router on left side:



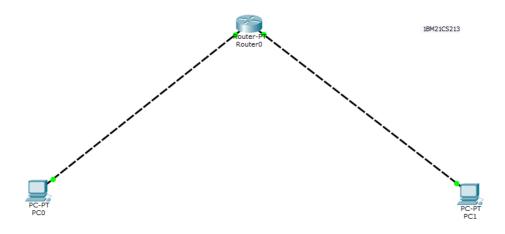
After configuring the router on one side:



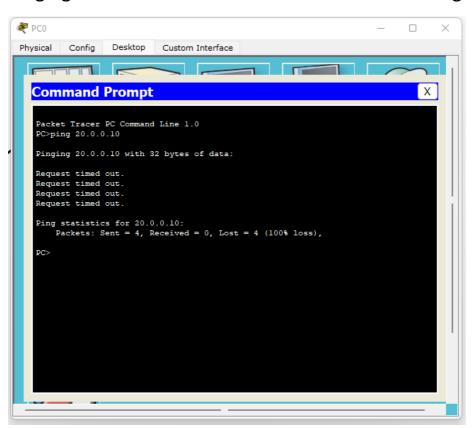
Configuring the router on right side:



After configuring the router on both sides:



Pinging from source to destination without default gateway:



When we try to ping from source to destination without giving default gateway, we get request timed out, i.e., packets are sent but are not received and are lost because the router does not know the path.

Pinging from source to destination with default gateway:

```
Physical Config Desktop Custom Interface

Command Prompt

Fackets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.10

Pinging 20.0.0.10 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 20.0.0.10:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.0.0.10

Pinging 20.0.0.10

Pinging 20.0.0.10 with 32 bytes of data:

Reply from 20.0.0.10: bytes=32 time=0ms TTL=127

Reply from 20.0.0.10: byte
```

In this case, all the packets sent are received and there is no loss.

Simulation Mode:

