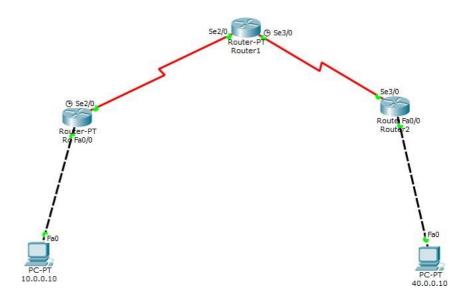
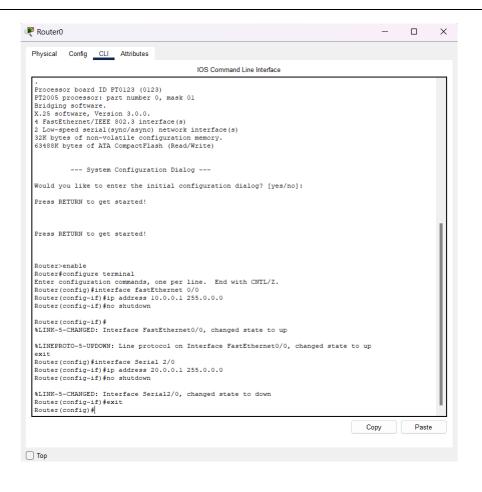
CN LAB 3

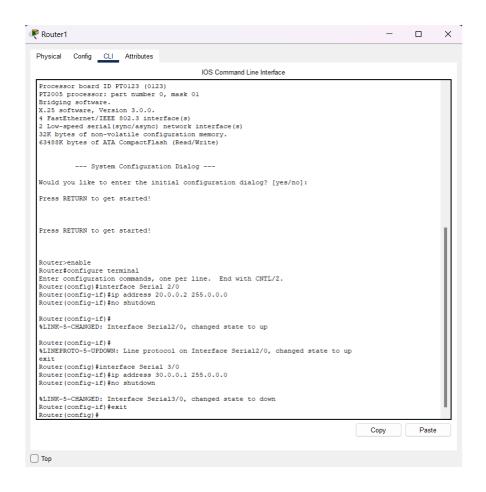
Shana Diya Sujit-1BM21CS196

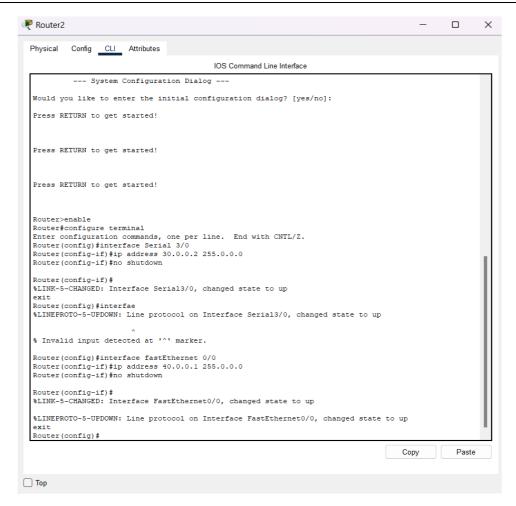
Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.

TOPOLOGY 2









1. BEFORE SETTING DEFAULT GATEWAY

```
Physical Config Desktop Programming Attributes

Command Prompt

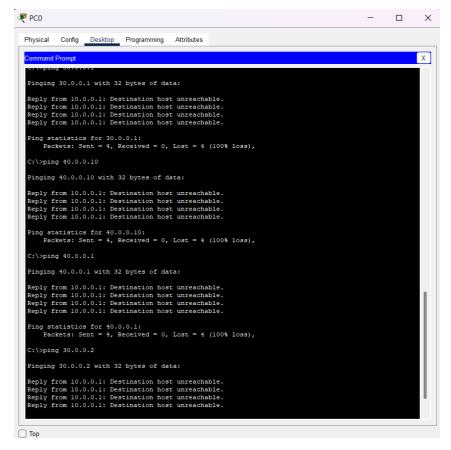
Cisco Packet Tracer PC Command Line 1.0
Cityping 40.0.0.10 with 32 bytes of data:

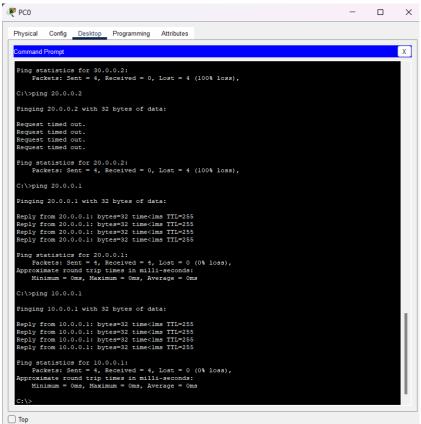
Request timed out.
Request timed out.
Request timed out.
Plang statistics for 40.0.0.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
Cityping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

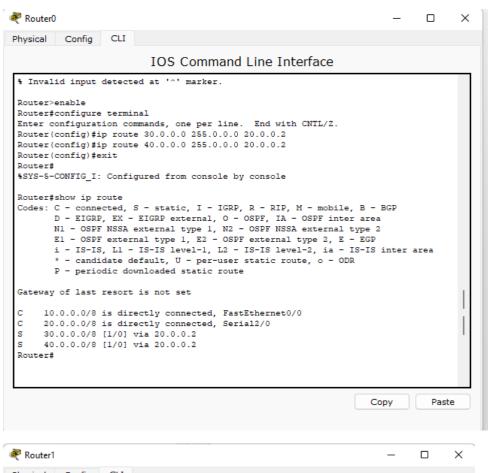
Request timed out.
Request timed out.
Request timed out.
Request climed out.
Request climed out.
Request statistics for 20.0.0.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
Cityping 30.0.0.2 with 32 bytes of data:
Request timed out.
```

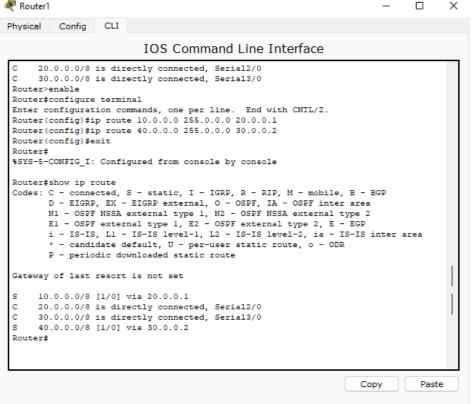
2. AFTER SETTING DEFAULT GATEWAY





3. AFTER SETTING UP INTERFACE





```
Router2
                                                                                             ×
Physical Config CLI
                               IOS Command Line Interface
      30.0.0.0/8 is directly connected, Serial3/0
       40.0.0.0/8 is directly connected, FastEthernet0/0
 Router>enable
 Router#config terminal
 Enter configuration commands, one per line. End with CNTL/Z. Router(config) #ip route 20.0.0.0 255.0.0.0 30.0.0.1
 Router(config) #ip route 10.0.0.0 255.0.0.0 30.0.0.1
 Router(config) #exit
 %SYS-5-CONFIG_I: Configured from console by console
 Router#show ip route
 Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
         D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
         i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
          * - candidate default, U - per-user static route, o - ODR
         P - periodic downloaded static route
 Gateway of last resort is not set
       10.0.0.0/8 [1/0] via 30.0.0.1
       20.0.0.0/8 [1/0] via 30.0.0.1
       30.0.0.0/8 is directly connected, Serial3/0
      40.0.0.0/8 is directly connected, FastEthernet0/0
 Router#
                                                                                 Сору
                                                                                              Paste
```

```
PC>ping 40.0.0.10

Pinging 40.0.0.10 with 32 bytes of data:

Reply from 40.0.0.10: bytes=32 time=11ms TTL=125
Reply from 40.0.0.10: bytes=32 time=7ms TTL=125
Reply from 40.0.0.10: bytes=32 time=11ms TTL=125
Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
Ping statistics for 40.0.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 4ms, Maximum = 11ms, Average = 8ms
```

