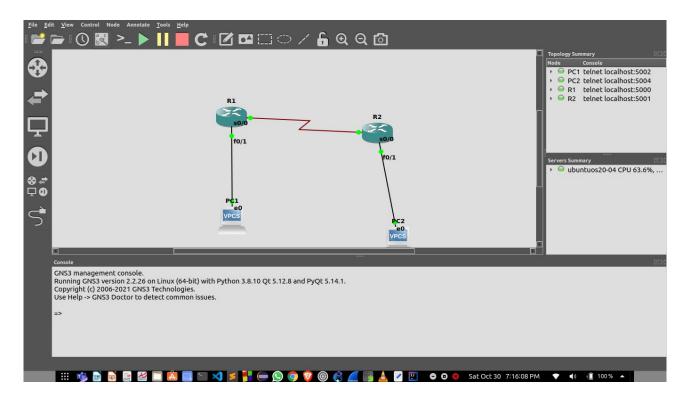
190905514 ROLLNO: 62

MOHAMMAD TOFIK SECTION : C

BATCH: C3 SEM: FIFTH

<u>-: CN-LAB-4 :-</u>

Topology Structure:

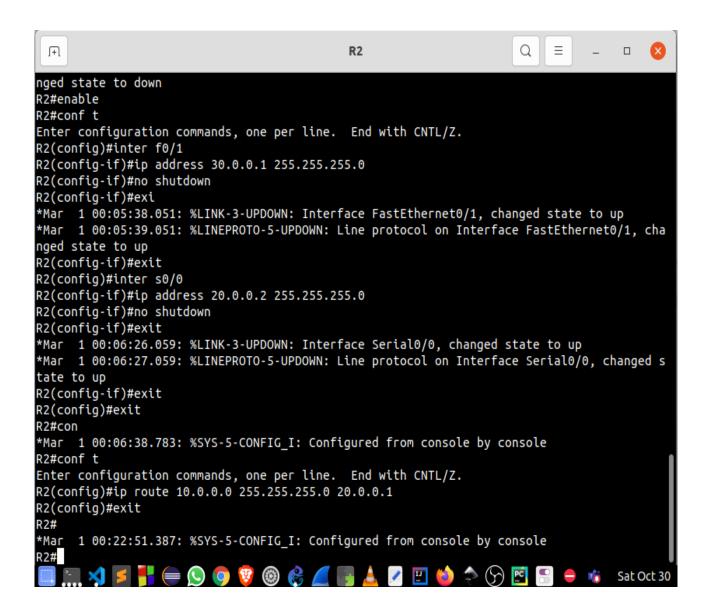


Router 1 : Configuration R1 Ø 1 R1#enable R1#conf t Enter configuration commands, one per line. End with CNTL/Z. R1(config)#inter f0/1 R1(config-if)#ip address 10.0.0.1 255.255.25.0 Bad mask 0xFFFF1900 for address 10.0.0.1 R1(config-if)#ip address 10.0.0.1 255.255.255.0 R1(config-if)#no shutdown R1(config-if)#exit R1(config)# *Mar 1 00:01:59.023: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to up 1 00:02:00.023: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, cha nged state to up R1(config)#inter s0/0 R1(config-if)#ip address 20.0.0.1 255.255.255.0 R1(config-if)#no shutdown R1(config-if)#exi *Mar 1 00:03:05.491: %LINK-3-UPDOWN: Interface Serial0/0, changed state to up *Mar 1 00:03:06.491: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed s tate to up R1(config-if)#exit R1(config)#exit R1#c *Mar 1 00:03:16.271: %SYS-5-CONFIG I: Configured from console by console R1#conf t Enter configuration commands, one per line. End with CNTL/Z. R1(config)#ip rou *Mar 1 00:03:27.319: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed s tate to down R1(config)#ip route 30.0.0.0 255.255.255.0 20.0.0.2 (9) (8) (8) / 1 -7 Sat Oct 30 6:34:25 Q \equiv R1 R1(config-if)#no shutdown R1(config-if)#exit R1(config)# *Mar 1 00:01:59.023: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to up *Mar 1 00:02:00.023: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, cha nged state to up R1(config)#inter s0/0 R1(config-if)#ip address 20.0.0.1 255.255.255.0 R1(config-if)#no shutdown R1(config-if)#exi *Mar 1 00:03:05.491: %LINK-3-UPDOWN: Interface Serial0/0, changed state to up *Mar 1 00:03:06.491: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed s *Маг tate to up R1(config-if)#exit R1(config)#exit R1#c 1 00:03:16.271: %SYS-5-CONFIG_I: Configured from console by console *Mar R1#conf t Enter configuration commands, one per line. End with CNTL/Z. R1(config)#ip rou *Mar 1 00:03:27.319: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed s tate to down R1(config)#ip route 30.0.0.0 255.255.255.0 20.0.0.2 R1(config)# *Mar 1 00:06:37.319: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed s tate to up R1(config)#exit R1# 1 00:22:05.783: %SYS-5-CONFIG I: Configured from console by console *Mar R1#

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Sat Oct 30 6:34:53

Router 2 : Configuration



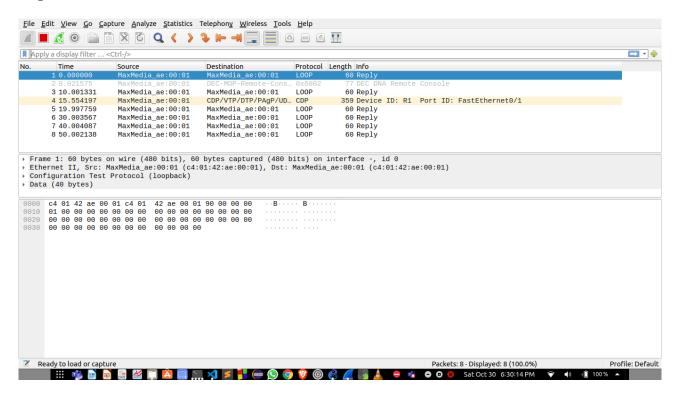
PC1: Configuration PC1 \equiv 8 Q NAME : PC1[1] IP/MASK : 0.0.0.0/0 GATEWAY : 0.0.0.0 DNS MAC : 00:50:79:66:68:00 LPORT : 10014 RHOST: PORT : 127.0.0.1:10015 : 1500 PC1> ip 20.0.0.2/8 20.0.0.1 Checking for duplicate address... PC1 : 20.0.0.2 255.0.0.0 gateway 20.0.0.1 PC1> ping 20.0.0.2 20.0.0.2 icmp_seq=1 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=2 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=3 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=4 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=5 ttl=64 time=0.001 ms PC1> ping 30.0.0.1 host (20.0.0.1) not reachable PC1> 30.0.0.2 Bad command: "30.0.0.2". Use ? for help. PC1> ping 30.0.0.2 📑 (= 🕓 🌀 🦁 (® 🦂 🚄 🖫 🛕 🗷 🖭 🍪 🐟 🕞 🖭 🚍 🐞 Sat Oct 30 6:37: 1 PC1 Q \equiv 8 20.0.0.2 icmp_seq=1 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=2 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=3 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=4 ttl=64 time=0.001 ms 20.0.0.2 icmp_seq=5 ttl=64 time=0.001 ms PC1> ping 30.0.0.1 host (20.0.0.1) not reachable PC1> 30.0.0.2 Bad command: "30.0.0.2". Use ? for help. PC1> ping 30.0.0.2 host (20.0.0.1) not reachable PC1> show ip : PC1[1] : 20.0.0.2/8 NAME IP/MASK GATEWAY 20.0.0.1 DNS : 00:50:79:66:68:00 MAC LPORT 10014 : 127.0.0.1:10015 RHOST: PORT MTU : 1500

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PC2: Configuration

```
PC<sub>2</sub>
                                                                                                     Q
                                                                                                                                \otimes
                                                                                                                          PC2> show ip
NAME
                 : PC2[1]
IP/MASK
                 : 0.0.0.0/0
GATEWAY
                 : 0.0.0.0
DNS
MAC
                 : 00:50:79:66:68:01
LPORT
                 : 10016
                 : 127.0.0.1:10017
RHOST: PORT
                 : 1500
MTU
PC2> ip 30.0.0.2/8 30.0.0.1
Checking for duplicate address...
PC2 : 30.0.0.2 255.0.0.0 gateway 30.0.0.1
PC2> 30.0.0.2 255.255.255.0
Bad command: "30.0.0.2 255.255.255.0". Use ? for help.
PC2> ping 20.0.0.1
84 bytes from 20.0.0.1 icmp_seq=1 ttl=254 time=19.897 ms
84 bytes from 20.0.0.1 icmp_seq=2 ttl=254 time=10.071 ms
84 bytes from 20.0.0.1 icmp_seq=3 ttl=254 time=5.553 ms
84 bytes from 20.0.0.1 icmp_seq=4 ttl=254 time=5.742 ms
84 bytes from 20.0.0.1 icmp_seq=5 ttl=254 time=5.364 ms
PC2> ping 10.0.0.1
84 bytes from 10.0.0.1 icmp_seq=1 ttl=254 time=1.379 ms
84 bytes from 10.0.0.1 icmp_seq=2 ttl=254 time=5.232 ms
                                          (S) 
                                                                                                        Sat Oct 30 6:38
                                                                                                     Q
                                                                                                            =
  +
                                                                PC2
                                                                                                                          \otimes
PC2> ping 10.0.0.1
84 bytes from 10.0.0.1 icmp_seq=1 ttl=254 time=1.379 ms
84 bytes from 10.0.0.1 icmp_seq=2 ttl=254 time=5.232 ms
84 bytes from 10.0.0.1 icmp_seq=3 ttl=254 time=10.538 ms
84 bytes from 10.0.0.1 icmp_seq=4 ttl=254 time=6.098 ms
84 bytes from 10.0.0.1 icmp_seq=5 ttl=254 time=5.533 ms
PC2> sho ip
NAME
                 : PC2[1]
                 : 30.0.0.2/8
IP/MASK
GATEWAY
                  : 30.0.0.1
DNS
MAC
                 : 00:50:79:66:68:01
LPORT
                 : 10016
                 : 127.0.0.1:10017
RHOST: PORT
MTU
                 : 1500
PC2> show ip
                 : PC2[1]
: 30.0.0.2/8
: 30.0.0.1
NAME
IP/MASK
GATEWAY
DNS
MAC
                    00:50:79:66:68:01
LPORT
                 : 10016
                 : 127.0.0.1:10017
RHOST: PORT
      🖳 刘 🗾 👫 ⊜ 🕓 🧿 🦁 🔞 🥵 🖊 🔚 🗘 📝 🖺 🔞 🍫 🕥 🖭 🔞 Sat Oct 30 6:39
```

CapturePC1:



Capture PC2:

