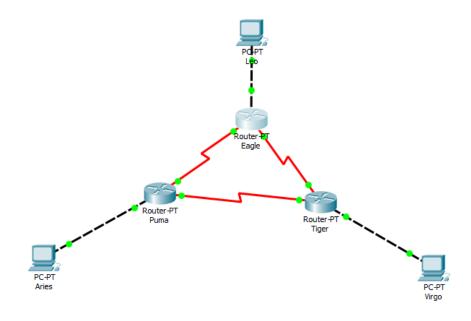
NAMA: WINDI SAPUTRI

NIM: L200170115

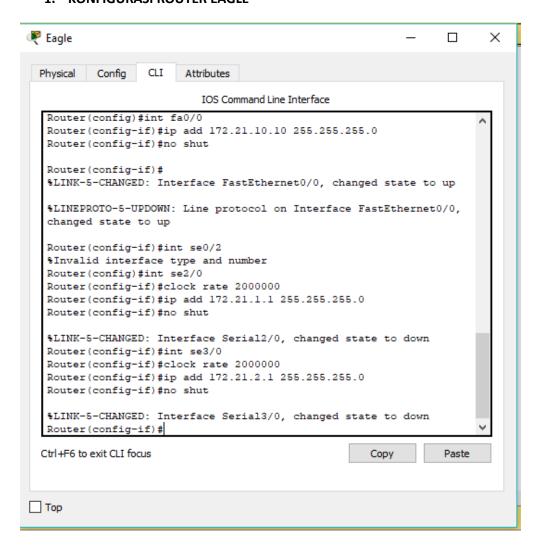
KELAS: C

MODUL 7

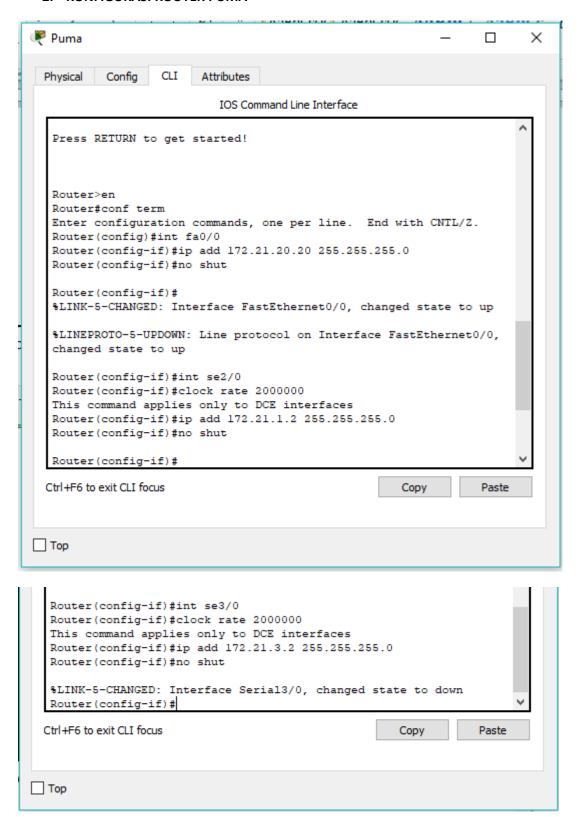
KEGIATAN 1.



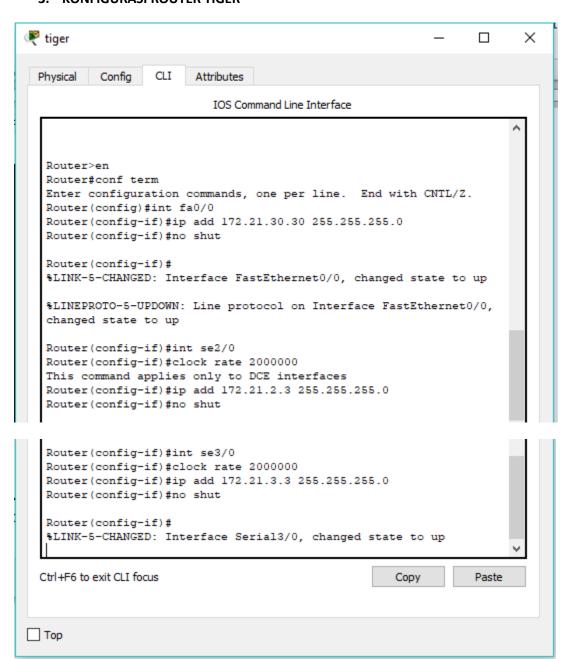
1. KONFIGURASI ROUTER EAGLE



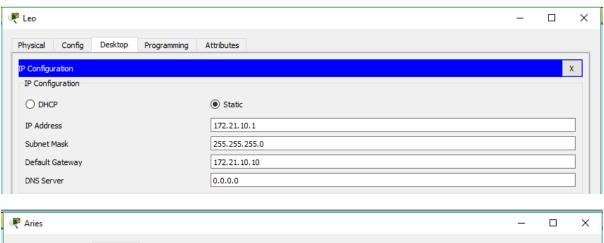
2. KONFIGURASI ROUTER PUMA

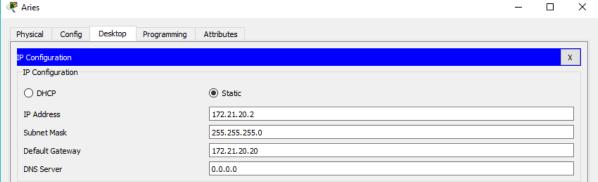


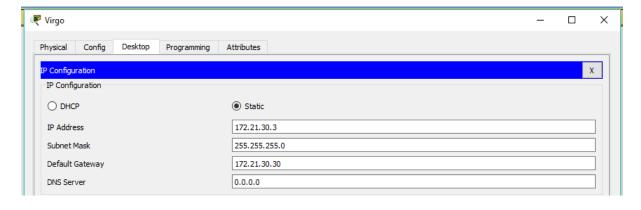
3. KONFIGURASI ROUTER TIGER



4. KONFIGURASI PC

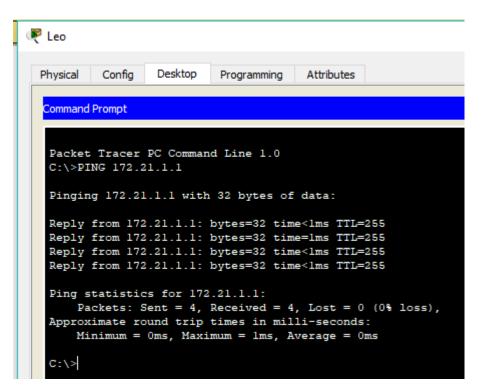




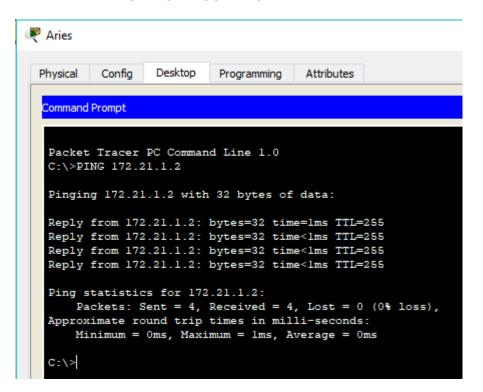


5. LAKUKAN PING

DARI LEO KE ROUTER EAGLE



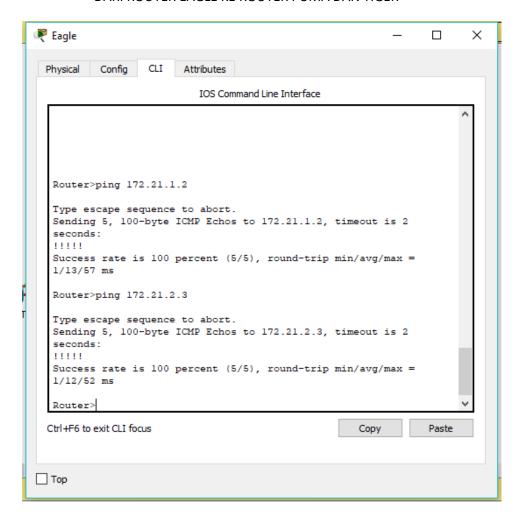
- DARI PC ARIES KE ROUTER PUMA



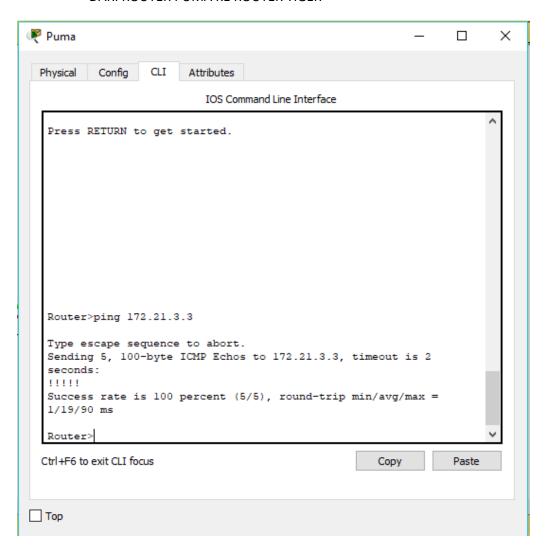
DARI PC VIRGO KE ROUTER TIGER

```
Virgo
  Physical Config
                    Desktop
                              Programming
                                            Attributes
   Command Prompt
   Packet Tracer PC Command Line 1.0
   C:\>PING 172.21.3.3
   Pinging 172.21.3.3 with 32 bytes of data:
   Reply from 172.21.3.3: bytes=32 time=1ms TTL=255
   Reply from 172.21.3.3: bytes=32 time<1ms TTL=255
   Reply from 172.21.3.3: bytes=32 time<1ms TTL=255
   Reply from 172.21.3.3: bytes=32 time<1ms TTL=255
   Ping statistics for 172.21.3.3:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
    C:\>
```

DARI ROUTER EAGLE KE ROUTER PUMA DAN TIGER

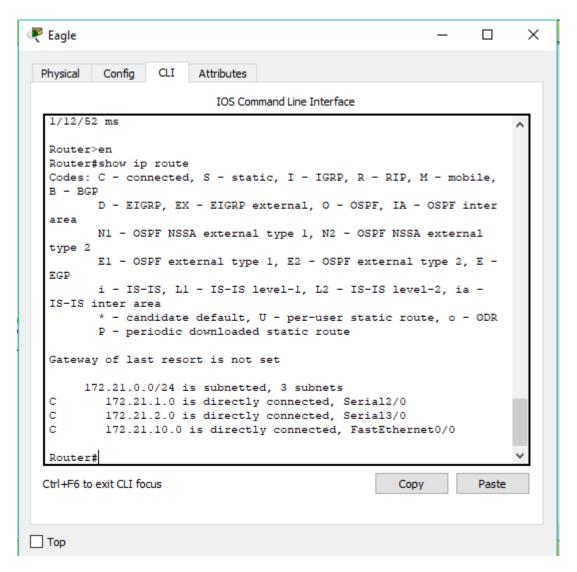


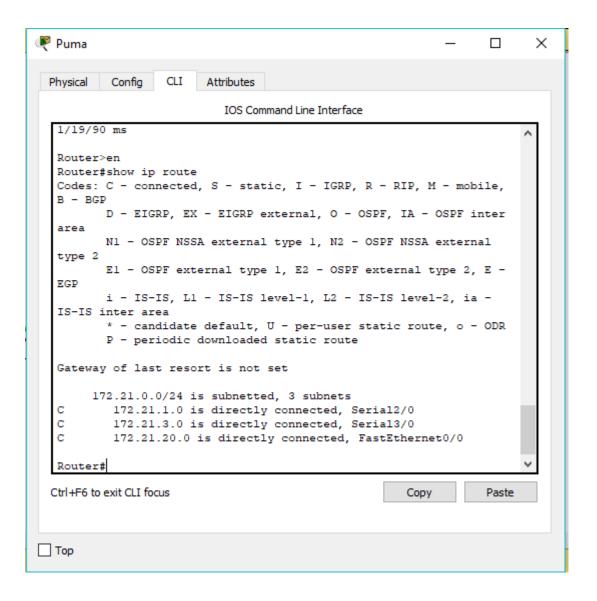
- DARI ROUTER PUMA KE ROUTER TIGER

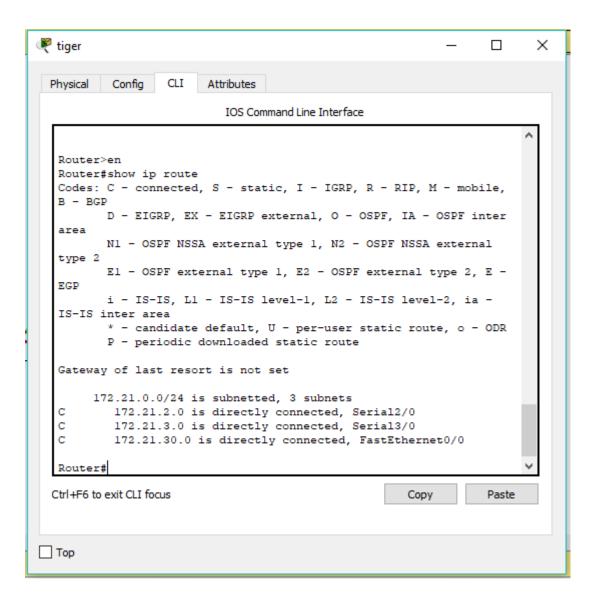


6. IP ROUTE

7A. HASIL TAMPILAN MASING - MASING ROUTER







8A. PING DARI ROUTER EAGLE KE ALAMAT INTERFACE(172.21.20.20)

```
Router#ping 172.21.20.20

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.21.20.20, timeout is 2 seconds:
.....
Success rate is 0 percent (0/5)
```

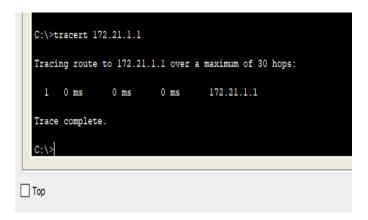
9A. DARI PC LEO MELAKUKAN TRACE KE PC ARIES



Physical Conf	ig Desktop	Programming	Attributes
Command Prompt			
Approximate	round trip	times in mi	.lli-seconds:
Minimum	= 0ms, Maxi	mum = 59ms,	Average = 15ms
G-12	150 01 00 0		
C:\>tracert	172.21.20.2		
Tracing rou	te to 172.21	.20.2 over	a maximum of 30 hops:
1 0 ms	0 ms	1 ms	172.21.10.10
2 0 ms	*	0 ms	172.21.10.10
3 *	0 ms	*	Request timed out.
4 1 ms	*	0 ms	172.21.10.10
5 *	0 ms	*	Request timed out.
6 1 ms	*	1 ms	172.21.10.10
7 *	0 ms		Request timed out.
8 0 ms 9 *		0 ms	172.21.10.10
10 0 ms	2 ms	0 ms	Request timed out. 172.21.10.10
11 *	0 ms	*	Request timed out.
12 0 ms		0 ms	172.21.10.10
13 *	0 ms	*	Request timed out.
14 0 ms		0 ms	172.21.10.10
15 *	0 ms	*	Request timed out.
16 0 ms	*	0 ms	172.21.10.10
17 *	1 ms	*	Request timed out.
18 0 ms	*	0 ms	172.21.10.10
19 *	0 ms	*	Request timed out.
20 1 ms	*	1 ms	172.21.10.10
21 *	0 ms	*	Request timed out.
22 4 ms		1 ms	172.21.10.10
23 *	0 ms	*	Request timed out.
24 0 ms		0 ms	172.21.10.10
25 "	0 ms	0 ms	Request timed out.
26 1 ms	l ms	v ms	172.21.10.10 Request timed out.
28 1 ms		0 ms	172.21.10.10
29 *	1 ms	*	Request timed out.
30 0 ms		0 ms	172.21.10.10
Trace compl	ete.		
C:\>			

Пор

10A. DARI PC LEO MELAKUKAN TRACE KE ALAMAT INTERFACE ROUTER EAGLE 172.21.1.1



11A. PENAMBAHAN ROUTER TABLE

- EAGLE

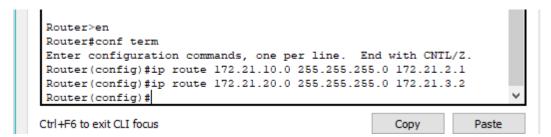
```
Router > en
Router # conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router (config) # ip route 172.21.20.0 255.255.255.0 172.21.1.2
Router (config) # ip route 172.21.30.0 255.255.255.0 172.21.2.3
Router (config) #
```

- PUMA

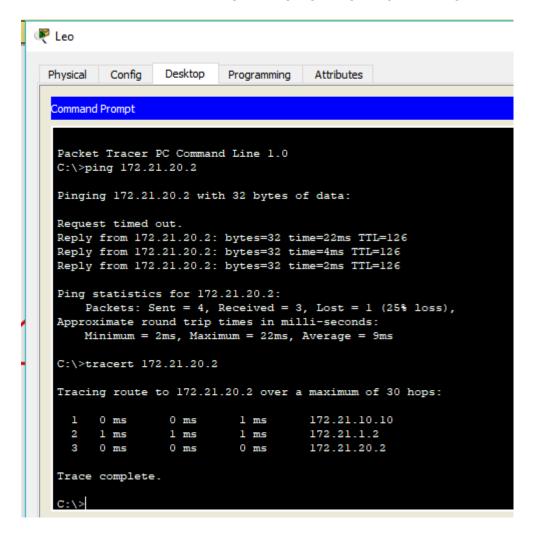
```
Router(config) #conf term

%Invalid hex value
Router(config) #ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config) #ip route 172.21.30.0 255.255.255.0 172.21.3.3
Router(config) #
```

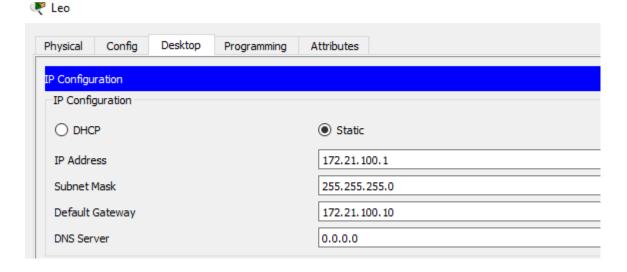
- TIGER



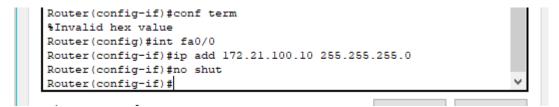
12A. PING DARI PC LEO KE PC ARIES DAN TRACE



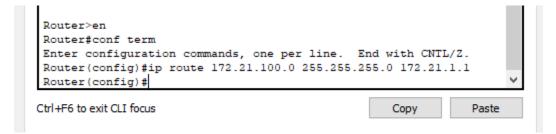
12B. MENGUBAH IP LEO MENJADI 172.21.100.1/24



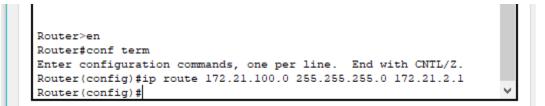
KONFIGURASI IP EAGLE TERBARU



KONFIGURASI IP PUMA TERBARU



KONFIGURASI IP TIGER TERBARU



MELAKUKAN PING

- DARI LEO KE PUMA

```
C:\>ping 172.21.20.2 with 32 bytes of data:

Reply from 172.21.20.2: bytes=32 time=lms TTL=126

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = lms, Maximum = lms, Average = lms

C:\>
```

- DARI PUMA KE LEO

```
C:\>ping 172.21.100.1

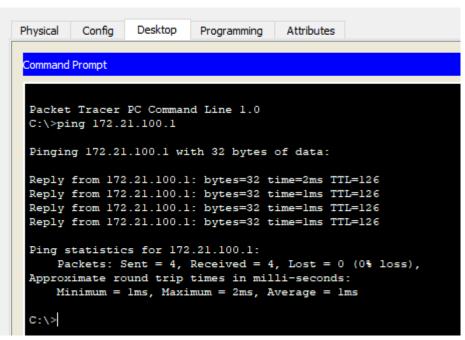
Pinging 172.21.100.1 with 32 bytes of data:

Reply from 172.21.100.1: bytes=32 time=lms TTL=126
Reply from 172.21.100.1: bytes=32 time=4ms TTL=126
Reply from 172.21.100.1: bytes=32 time=lms TTL=126
Reply from 172.21.100.1: bytes=32 time=4ms TTL=126

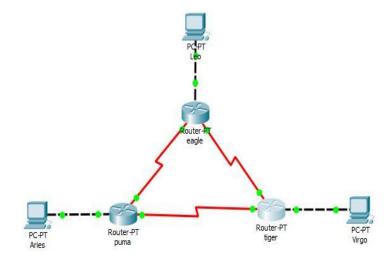
Ping statistics for 172.21.100.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 4ms, Average = 2ms
C:\>
```

DARI VIRGO KE LEO





2. KEGIATAN2



3. NOMOR ALAMAT JARINGAN YANG TERDAFTAR PADA KONFIGURASI ROUTING RIP

```
Reagle eagle
                                                                  X
 Physical Config CLI Attributes
                           IOS Command Line Interface
    shutdown
   interface Serial2/0
   ip address 172.21.1.1 255.255.255.0
   clock rate 2000000
   interface Serial3/0
   ip address 172.21.2.1 255.255.255.0
   clock rate 2000000
   interface FastEthernet4/0
   no ip address
   shutdown
   interface FastEthernet5/0
   no ip address
   shutdown
   router rip
   network 172.21.0.0
   ip classless
   ip route 172.21.20.0 255.255.255.0 172.21.1.2
   ip route 172.21.30.0 255.255.255.0 172.21.2.3
  Ctrl+F6 to exit CLI focus
                                                      Сору
                                                                 Paste
```

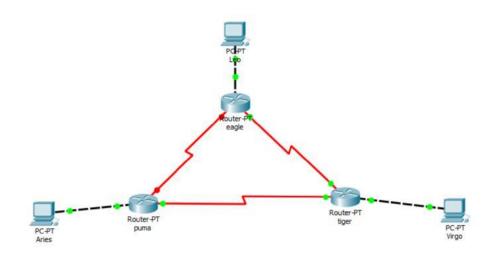
4. DEBUG IP RIP

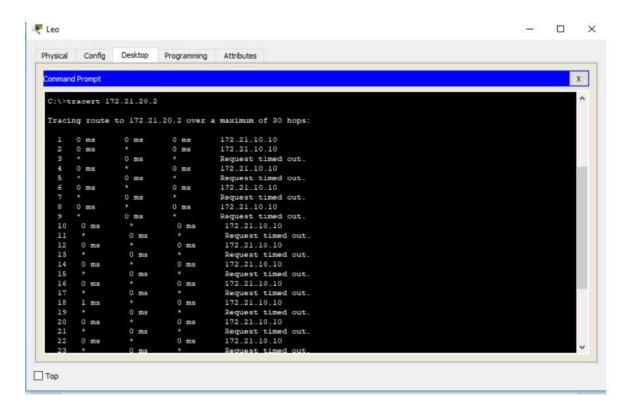
```
Router>en
Router#debug ip rip
RIP protocol debugging is on
Router#
```

5. TRACE DARI PC LEO KE PC ARIES SEBELUM MEMUTUS ROUTER EAGLE KE ROUTER PUMA

```
C:\>tracert 172.21.20.2
Tracing route to 172.21.20.2 over a maximum of 30 hops:
      3 ms
                           0 ms
                                     172.21.10.10
                0 ms
  2
                1 ms
                           1 ms
                                     172.21.1.2
      1 ms
  3
                3 ms
                           3 ms
                                     172.21.20.2
Trace complete.
```

6. TRACE DARI PC LEO KE PC ARIES SETELAH DIPUTUS ANTARA ROUTER EAGLE KE ROUTER PUMA





3. KEGIATAN 3

1. KONFIGURASI ROUTING RIP PADA ROUTER EAGLE

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 100
Router(config-router)#network 172.21.0.0
Router(config-router)#ex
Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

2. LAKUKAN PERINTAH show running-config

3. LAKUKAN PERINTAH debug ip igrp transactions pada mode user. Building configuration.. Current configuration: 795 bytes EIGRP: Sencing HELLO on Serial2/0 AS 100, Ilags 0x92 Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 Ħ no service timestamps log datetime msec EIGRP: Senciage HAJIVA 82mF344mpsh@EB@g-0d2tetime msec AS 100, Idagserfate Sassworld-iethegyptfonidbQ un/rely 0/0 EIGRP: SenchostnameL@outeSerial3/0 AS 100, Hags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 EIGRP: Sending HELLO on Serial2/0 AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 EIGRP: Sending HELLO on FastEthernet0/0 AS 100, Plags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 ip cef EIGRP: SencingipHFLLQfon Serial3/0 AS 100, I lags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 EIGRP: Sent incMdEE550 on Serial2/0 AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 EIGRP: Sending HELLO on FastEthernet0/0 AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iidbQ un/rely 0/0 FICHD: Conding UPIIO on Corial2/0

4. MELAKUKAN KONFIGURASI ROUTING EIGRP PADA ROUTER PUMA DAN TIGER

ROUTER PUMA:

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 100
Router(config-router)#network 172.21.0.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 172.21.1.1 (Serial2/0)
is up: new adjacency
```

TRANSAKSI ROUTING EIGRP PADA ROUTER PUMA

```
Router#debug eigrp packets
EIGRP Packets debugging is on
   (UPDATE, REQUEST, QUERY, REPLY, HELLO, ACK)
Router#
EIGRP: Received HELLO on Serial2/0 nbr 172.21.1.1
AS 100, Flags 0x0, Seq 6/0 idbQ 0/0

EIGRP: Sending HELLO on FastEthernet0/0
AS 100, Flags 0x0, Seq 6/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 6/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Sending HELLO on Serial2/0
AS 100, Flags 0x0, Seq 6/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Sending HELLO on Serial2/0
AS 100, Flags 0x0, Seq 6/0 idbQ 0/0 iidbQ un/rely 0/0
```

ROUTER TIGER:

KONFIGURASI ROUTING EIGRP PADA ROUTER TIGER

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 100
Router(config-router)#network 172.21.0.0
Router(config-router)#
*DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 172.21.3.2 (Serial3/0)
is up: new adjacency

*DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 172.21.2.1 (Serial2/0)
is up: new adjacency
```

TRANSAKSI ROUTING EIGRP PADA ROUTER TIGER

```
Router#debug eigrp packets
EIGRP Packets debugging is on
   (UPDATE, REQUEST, QUERY, REPLY, HELLO, ACK)
Router#
EIGRP: Received HELLO on Serial2/0 nbr 172.21.2.1
   AS 100, Flags 0x0, Seq 9/0 idbQ 0/0

EIGRP: Sending HELLO on Serial3/0
   AS 100, Flags 0x0, Seq 11/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Received HELLO on Serial3/0 nbr 172.21.3.2
   AS 100, Flags 0x0, Seq 9/0 idbQ 0/0

EIGRP: Sending HELLO on FastEthernet0/0
   AS 100, Flags 0x0, Seq 11/0 idbQ 0/0 iidbQ un/rely 0/0
```

5. MELAKUKAN TRACE KE DARI LEO KE ARIES

```
₽ Leo
                                                                                        - - - X
  Physical Config
                   Desktop
                            Programming Attributes
   Command Prompt
                                                                                               X
   Packet Tracer PC Command Line 1.0
   C:\>tracert 172.21.20.2
   Tracing route to 172.21.20.2 over a maximum of 30 hops:
                  0 ms 0 ms 172.21.10.10
1 ms 1 ms 172.21.1.2
2 ms 0 ms 172.21.20.2
                    0 ms
                              0 ms
                                         172.21.10.10
     2 1 ms
   Trace complete.
   C:\>
Тор
```

6. MEMBUAT HUBUNGAN ANTARA ROUTER EAGLE DENGAN ROUTER PUMA TERPUTUS

```
Router#no debug eigrp packets
EIGRP Packets debugging is off
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int se2/0
Router(config-if)#shutdown

Router(config-if)#
%LINK-S-CHANGED: Interface Serial2/0, changed state to
administratively down
%LINEPROTO-S-UPDOWN: Line protocol on Interface Serial2/0,
changed state to down
%DUAL-S-NBRCHANGE: IP-EIGRP 100: Neighbor 172.21.1.1 (Serial2/0)
is down: interface down
```

7. MELAKUKAN TRACE DARI LEO KE ARIES

```
C:\>tracert 172.21.20.2

Tracing route to 172.21.20.2 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 172.21.10.10
2 1 ms 1 ms 0 ms 172.21.2.3
3 1 ms 2 ms 0 ms 172.21.3.2
4 1 ms 0 ms 0 ms 172.21.20.2

Trace complete.

C:\>
```