Nama : Eko Budi Setiyawan

NIM : L200170015

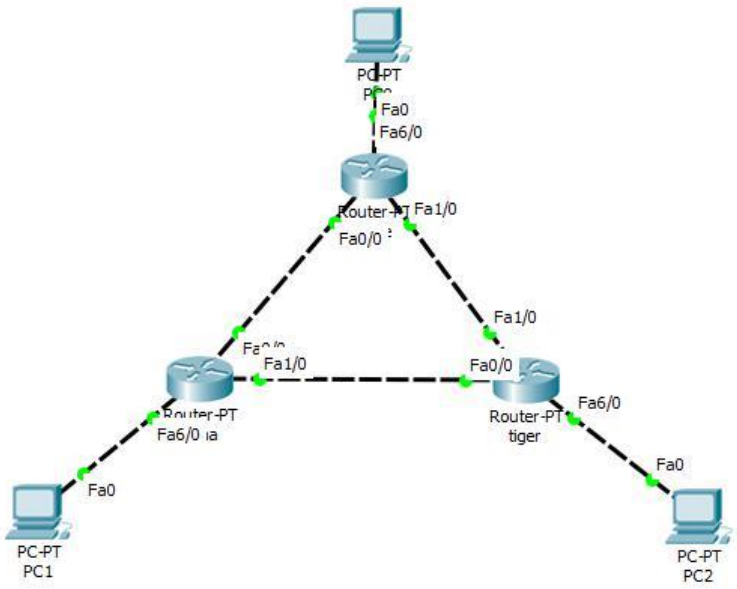
Kelas : A

MODUL 7

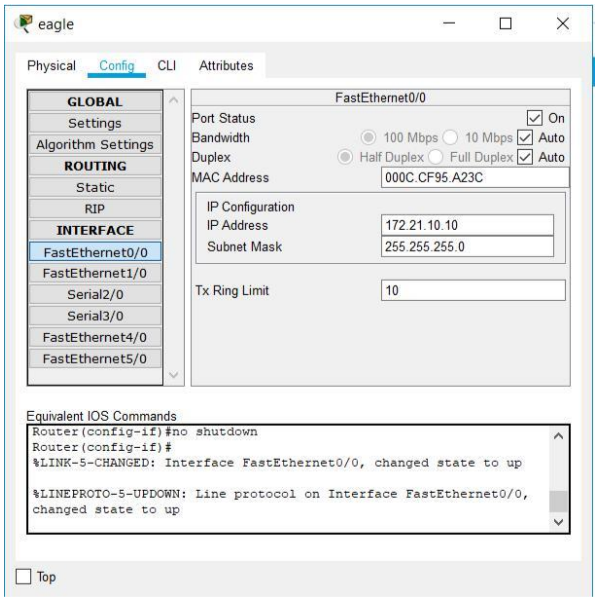
C. Kegiatan Praktikum

Kegiatan 1. Topologi 1 (Static Routing)

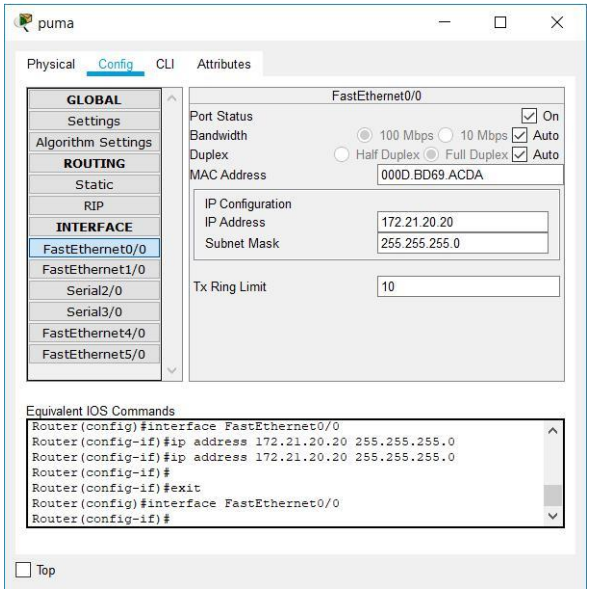
1. Menggunakan Packet Tracer buat topologi berikut ini dengan menggunakan Router generic



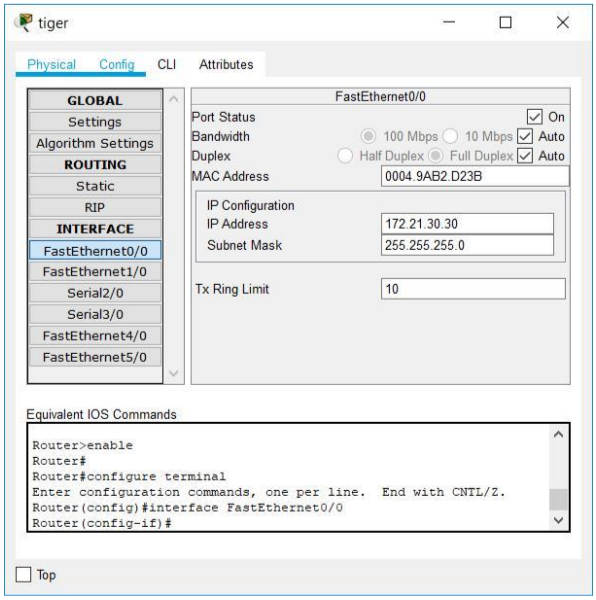
2. Konfigurasi masing-masing interface pada tiap router dengan alamat IP berikut :
    - eagle



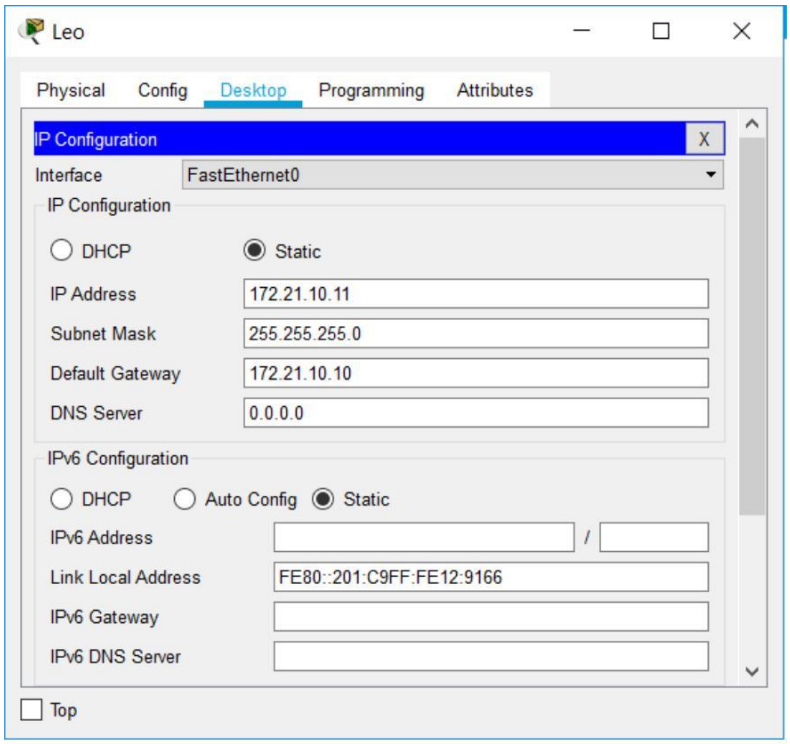
- puma

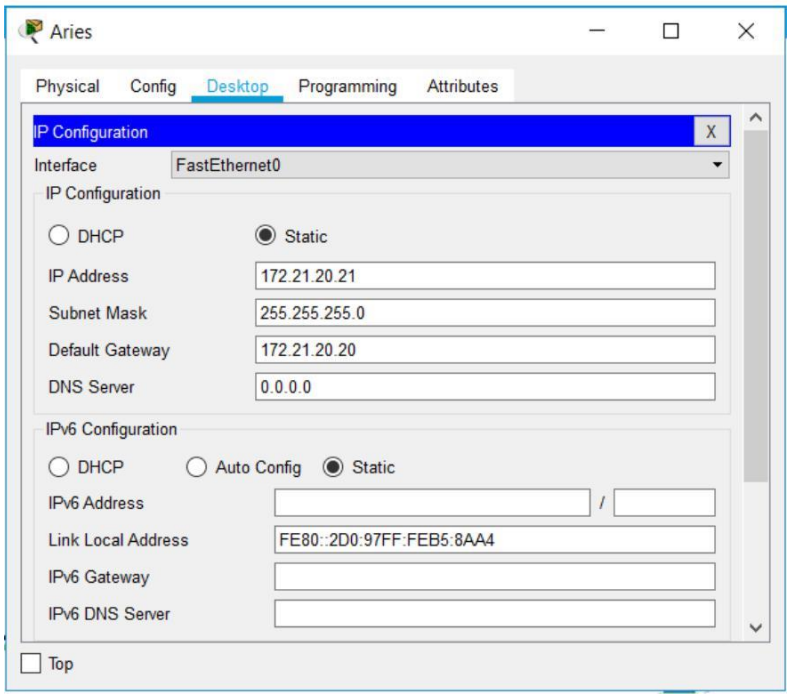


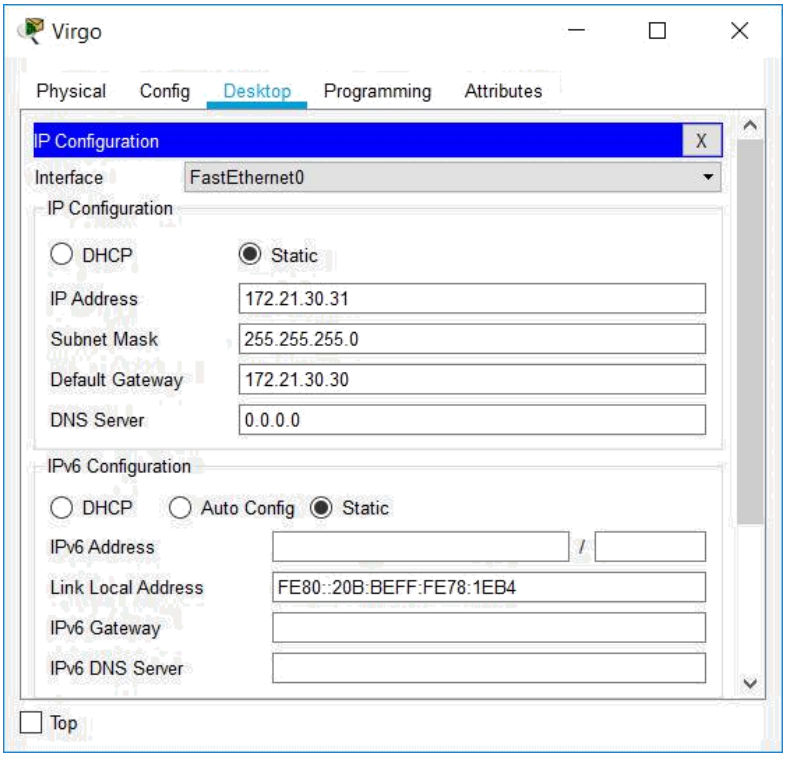
- tiger


tiger
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0004.9AB2.D23B
IP Configuration
IP Address
172.21.30.30
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top

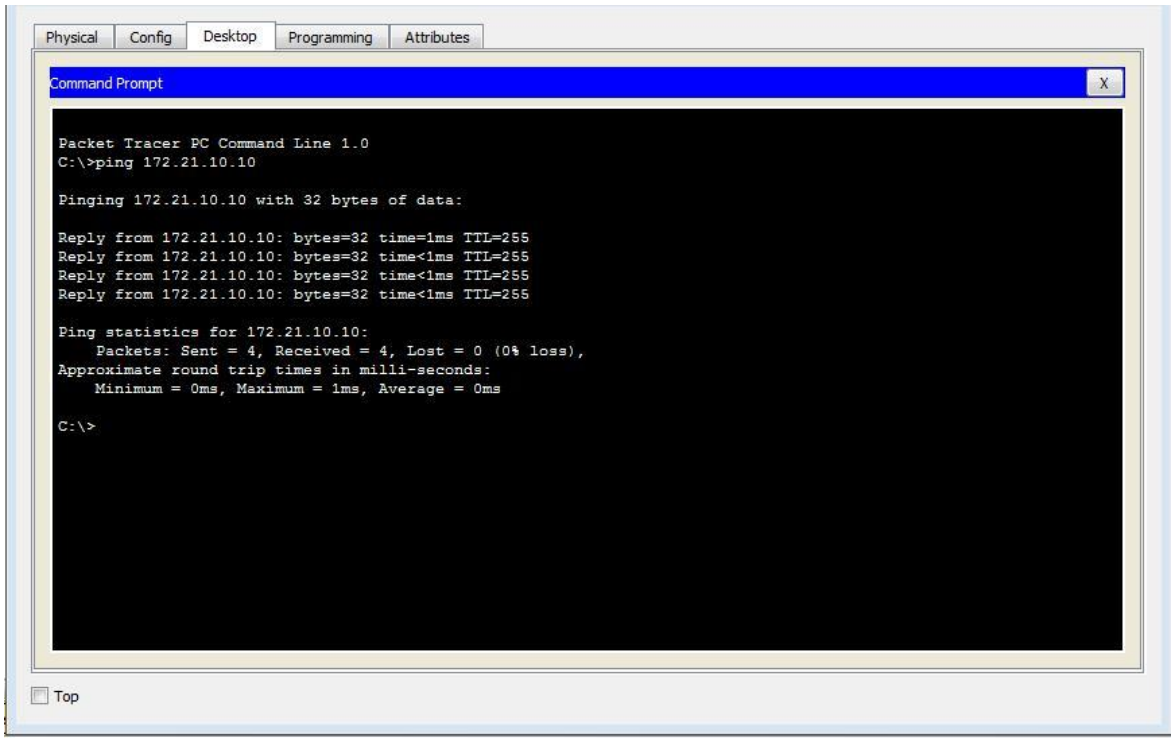
3. konfigurasi masing-masing PC dengan nama dan alamat IP berikut :



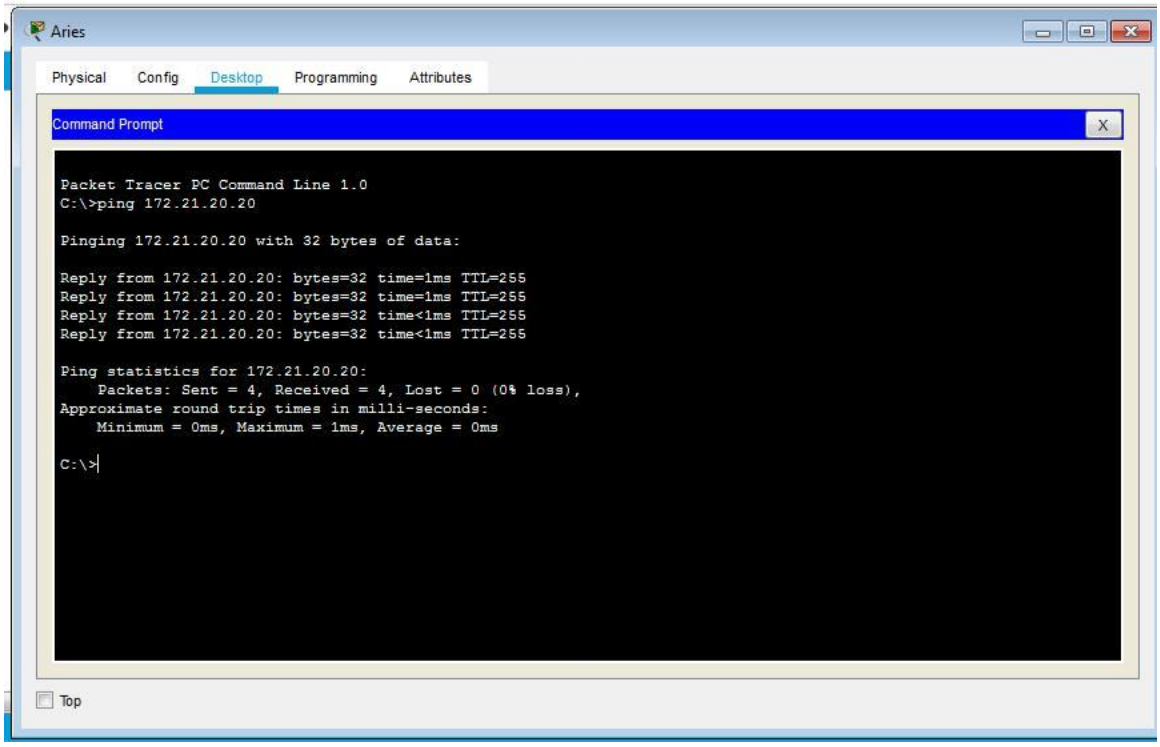




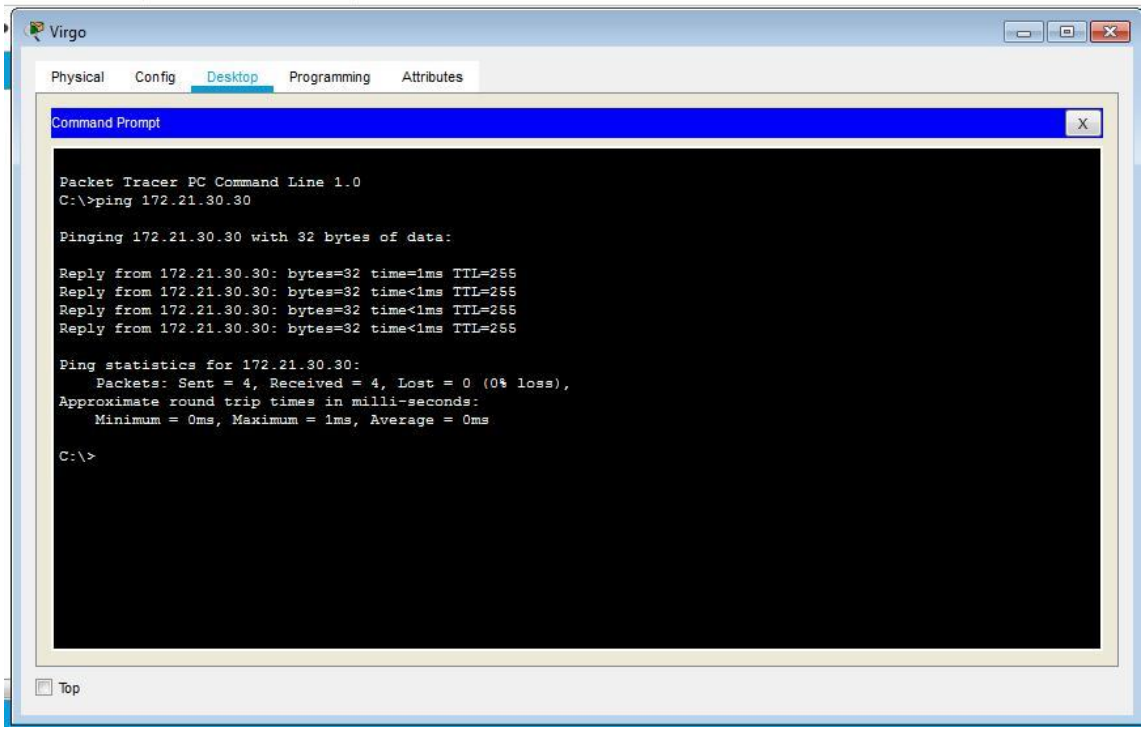
4. Pengujian :
   - ping PC Leo ke router eagle



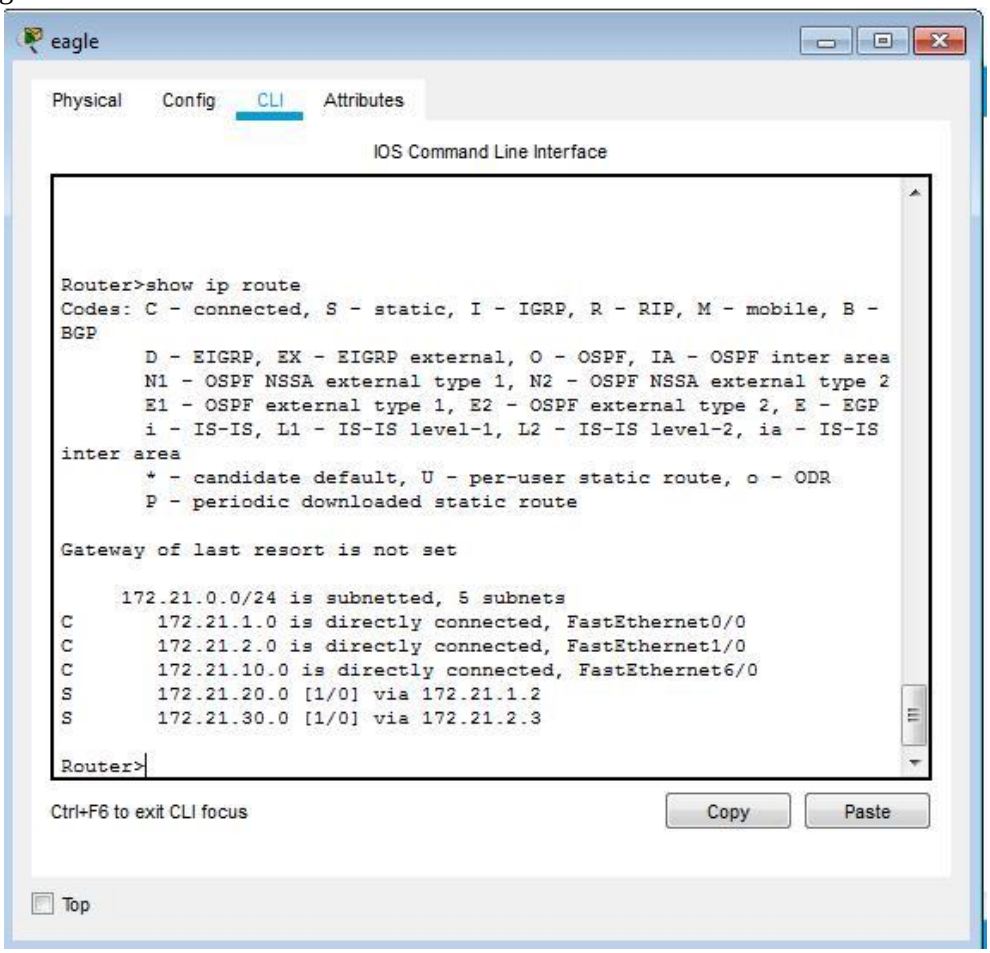
- ping PC Aries ke router puma



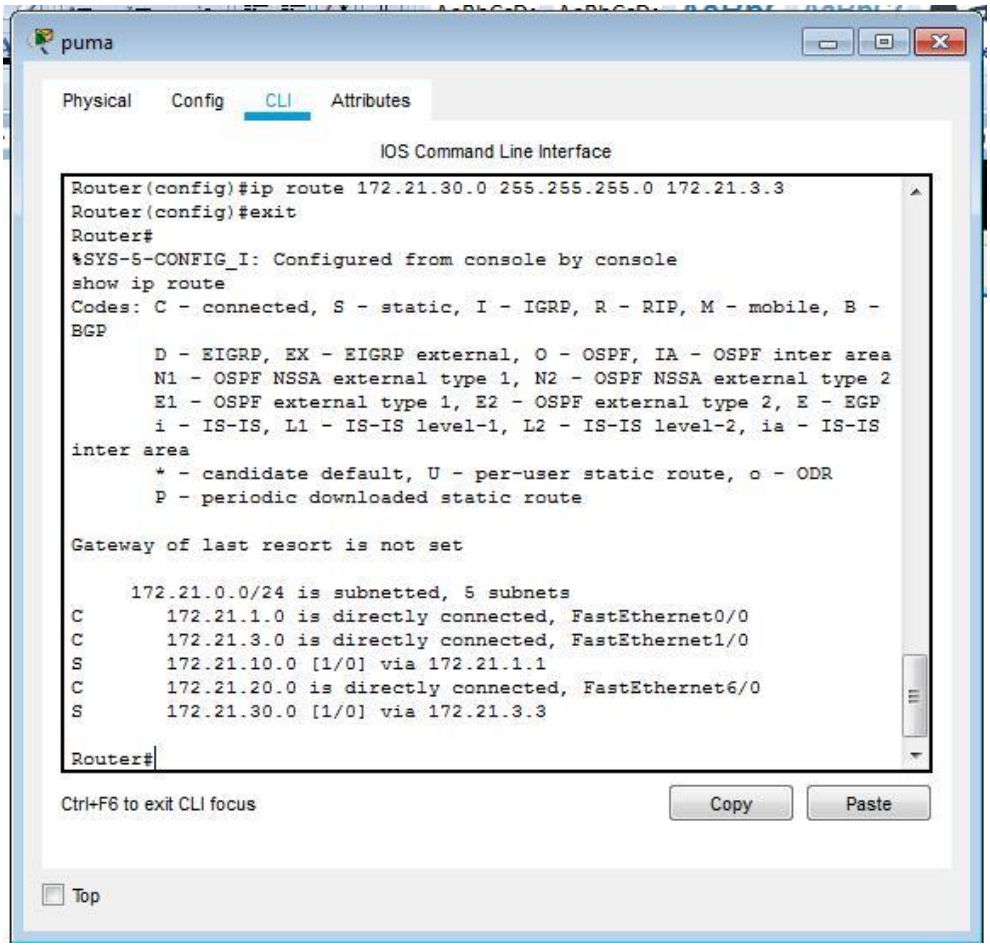
- ping PC Virgo ke router tiger



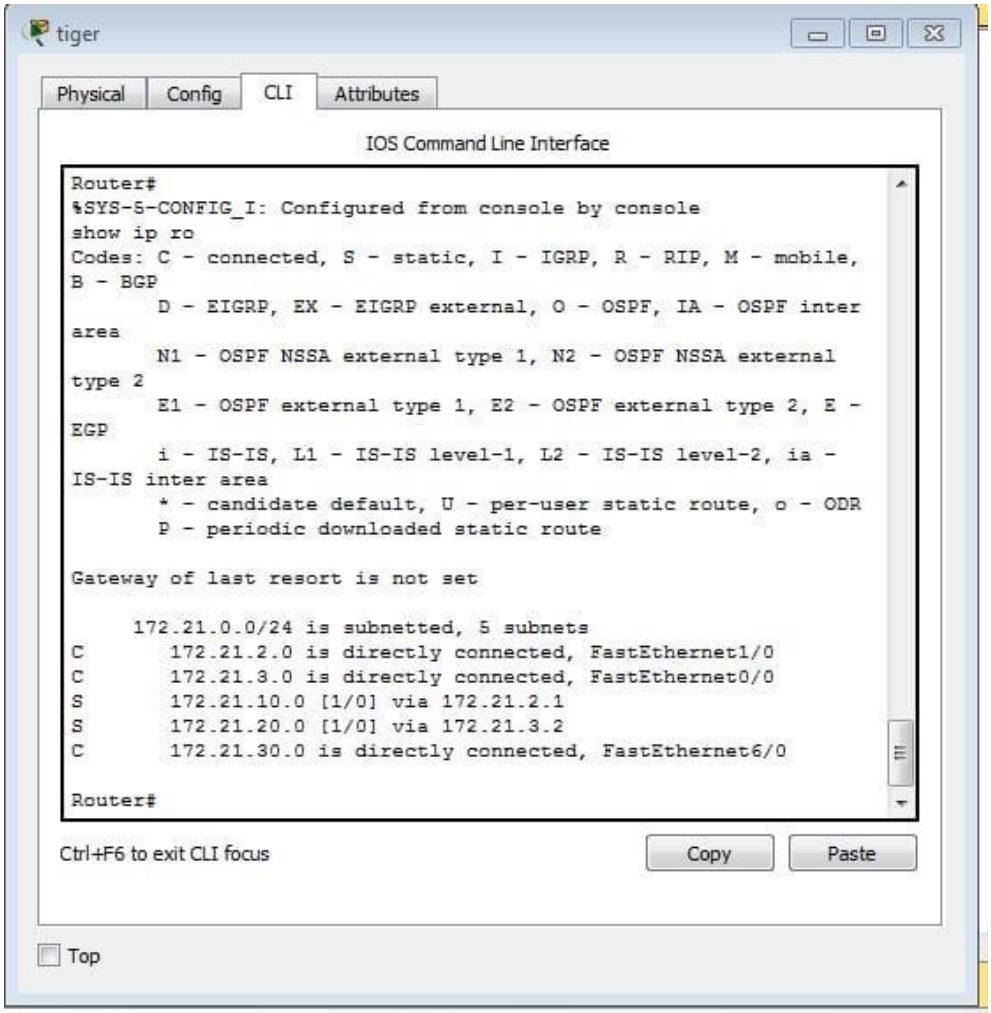
5. Pada mode user atau mode privileged lihat route table pada masinbg- masing router
   - Eagle



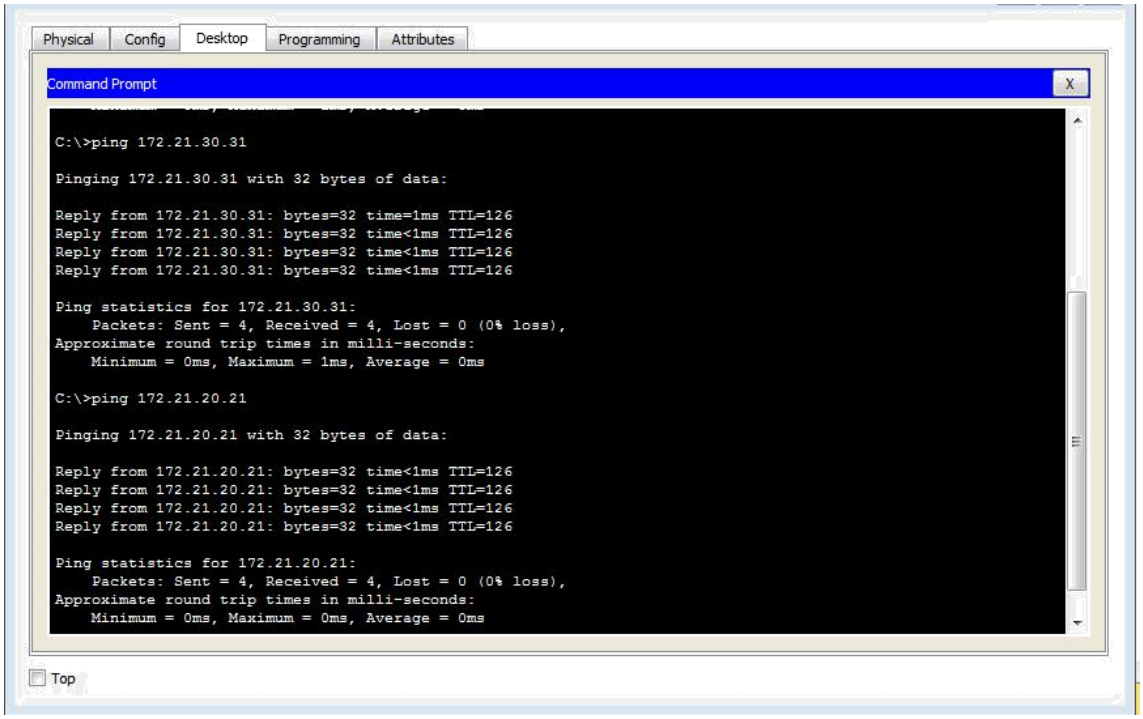
- Puma


puma
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.3
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
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
172.21.0.0/24 is subnetted, 5 subnets
C 172.21.1.0 is directly connected, FastEthernet0/0
C 172.21.3.0 is directly connected, FastEthernet1/0
S 172.21.10.0 [1/0] via 172.21.1.1
C 172.21.20.0 is directly connected, FastEthernet6/0
S 172.21.30.0 [1/0] via 172.21.3.3
Router#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

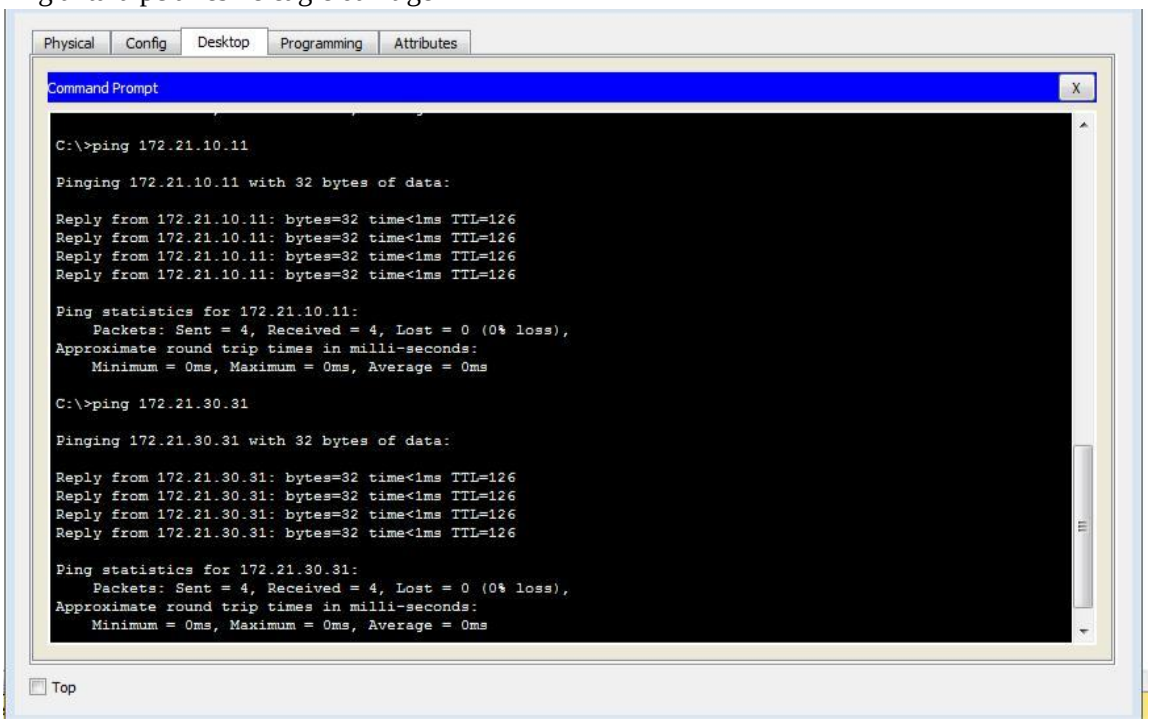
- Tiger



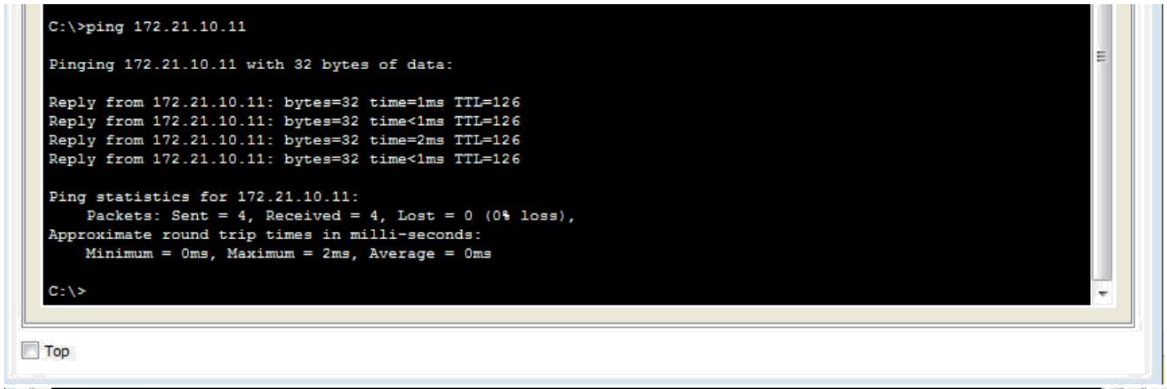
6. Ping antara PC leo ke puma dan tiger

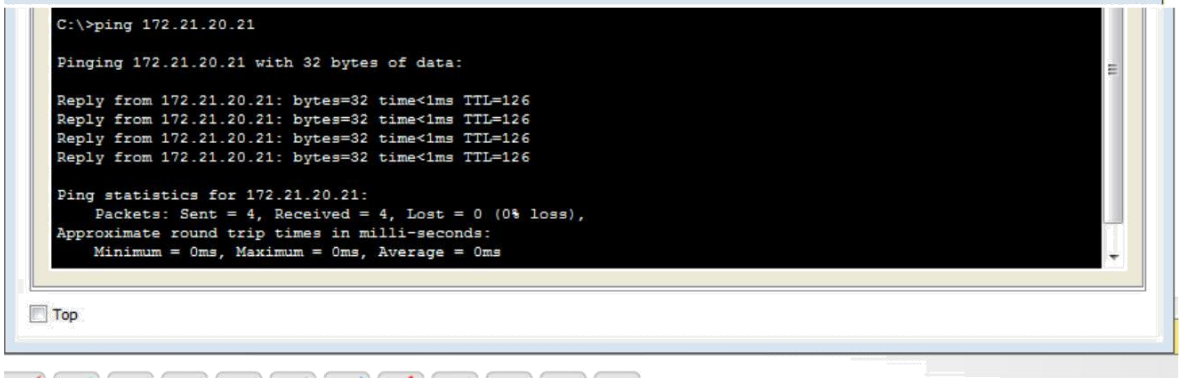


Ping antara pc aries ke eagle dan tiger



Ping antara pc virgo ke eagle dan puma


C:\>ping 172.21.10.11
Pinging 172.21.10.11 with 32 bytes of data:
Reply from 172.21.10.11: bytes=32 time=1ms TTL=126
Reply from 172.21.10.11: bytes=32 time<1ms TTL=126
Reply from 172.21.10.11: bytes=32 time=2ms TTL=126
Reply from 172.21.10.11: bytes=32 time<1ms TTL=126
Ping statistics for 172.21.10.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms
C:\>
Top


C:\>ping 172.21.20.21
Pinging 172.21.20.21 with 32 bytes of data:
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Ping statistics for 172.21.20.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
Top