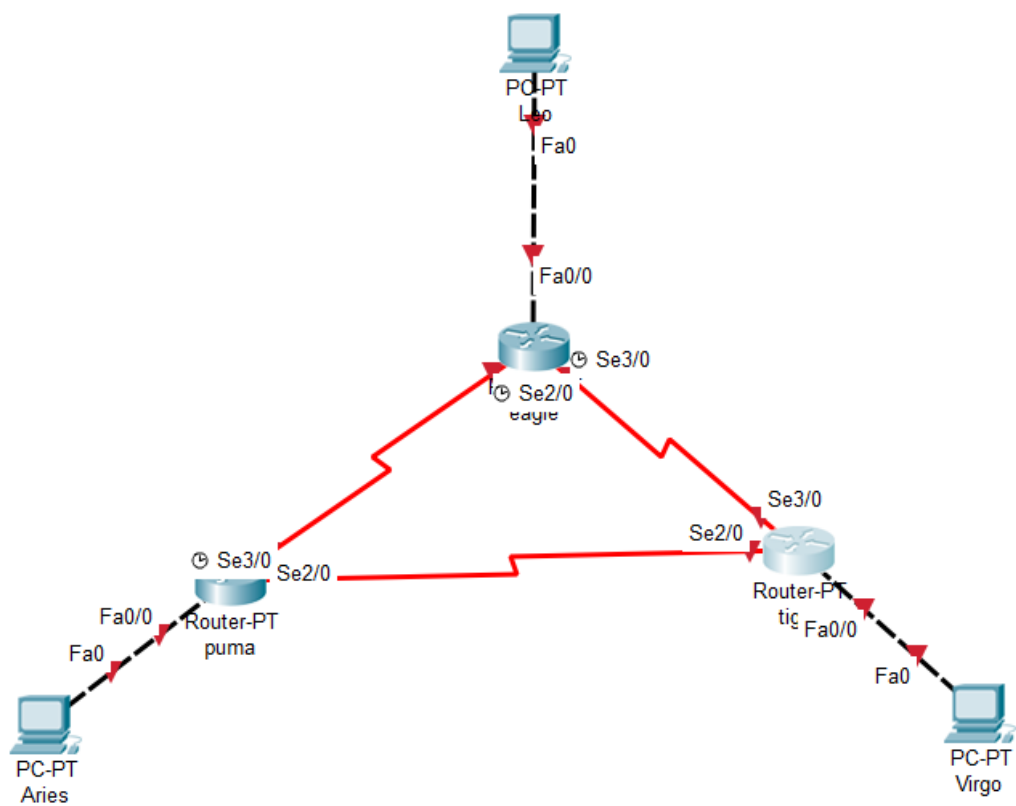Nama   : Yussynta Dewi Aprilya Putri

NIM   : L200170084

Kelas   : B

MODUL07

1. Buatlah topologi seperti berikut :

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

Screenshot 1 — eagle (Config, FastEthernet0/0):

FastEthernet0/0
Port Status ☑ On
Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ○ Full Duplex ☑ Auto
MAC Address 000C.CF95.A23C

IP Configuration
IP Address 172.21.10.10
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands
```
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up
```

Screenshot 2 — eagle (Config, Serial2/0):

Serial2/0
Port Status ☑ On
Duplex ○ Full Duplex
Clock Rate 2000000

IP Configuration
IP Address 172.21.1.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands
```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
```

Screenshot 3 — eagle (Config, Serial3/0):

Serial3/0
Port Status ☑ On
Duplex ○ Full Duplex
Clock Rate 2000000

IP Configuration
IP Address 172.21.2.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands
```
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial3/0
Router(config-if)#
```

Screenshot 4 — eagle (CLI):

IOS Command Line Interface
```
Router#en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ip router 172.21.20.0 255.255.255.0 172.21.1.2
                       ^
% Invalid iip router 172.21.20.0 255.255.255.0 172.21.1.2ip
router 172.21.20.0 255.255.255.0 172.21.1.2ip 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)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

- puma

- tiger

Window 1 — FastEthernet0/0:

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

Window 2 — Serial2/0:

Serial2/0

Port Status ☑ On
Duplex ● Full Duplex
Clock Rate 2000000

IP Configuration
IP Address 172.21.3.3
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands
```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
```
☐ Top

Window 3 — Serial3/0:

Serial3/0

Port Status ☑ On
Duplex ● Full Duplex
Clock Rate 2000000

IP Configuration
IP Address 172.21.2.3
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands
```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial3/0
Router(config-if)#
```
☐ Top

Window 4 — CLI:

IOS Command Line Interface
```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.2.1
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.3.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```
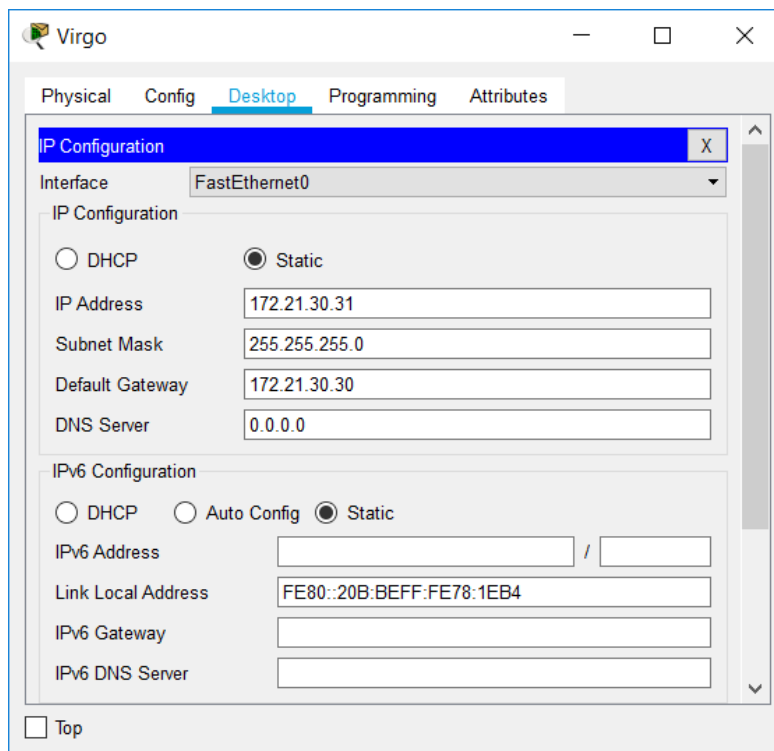
3. konfigurasi masing-masing PC dengan nama dan alamat IP berikut :

Leo

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface	FastEthernet0

IP Configuration

○ DHCP   ● Static

IP Address	172.21.10.11
Subnet Mask	255.255.255.0
Default Gateway	172.21.10.10
DNS Server	0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::201:C9FF:FE12:9166
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

Aries

Physical   Config   Desktop   Programming   Attributes

IP Configuration   X

Interface	FastEthernet0

IP Configuration

○ DHCP   ● Static

IP Address	172.21.20.21
Subnet Mask	255.255.255.0
Default Gateway	172.21.20.20
DNS Server	0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::2D0:97FF:FEB5:8AA4
IPv6 Gateway	
IPv6 DNS Server	

☐ Top
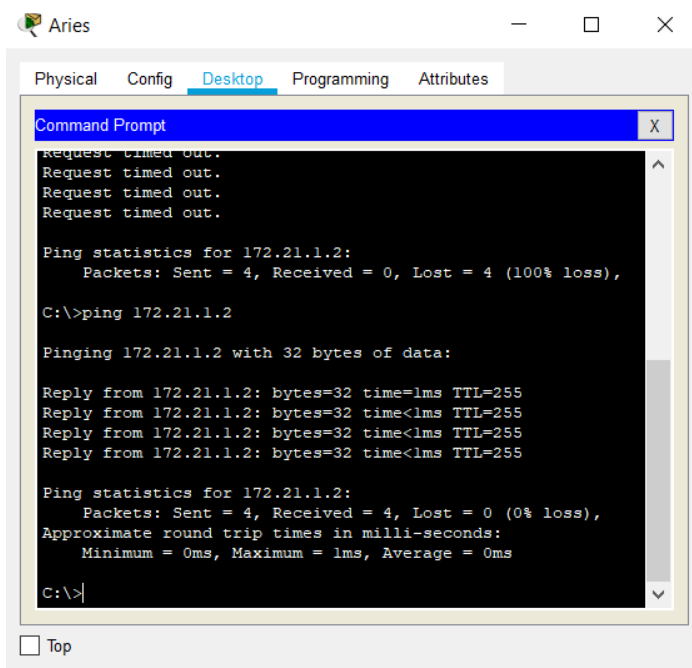
4. Pengujian :
   - ping PC Leo ke eagle(172.21.1.1)
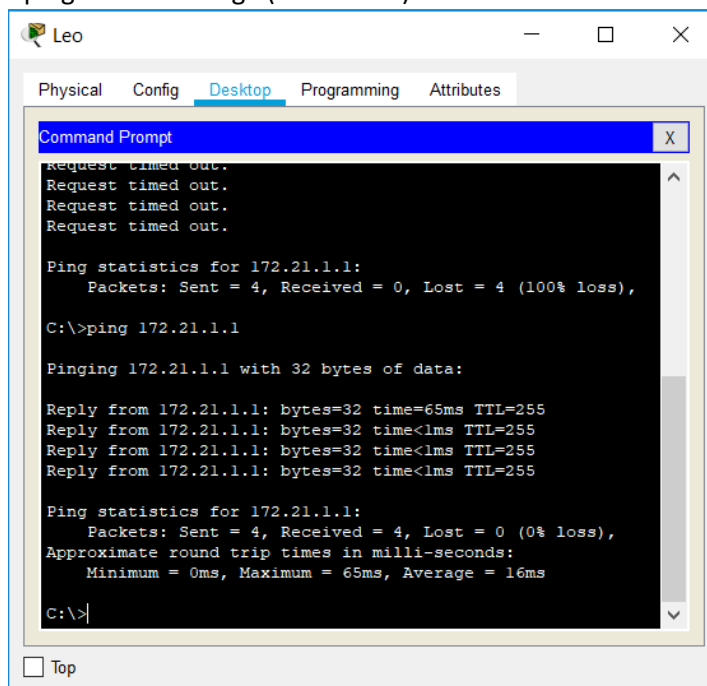
- ping PC Aries ke puma(172.21.1.2)
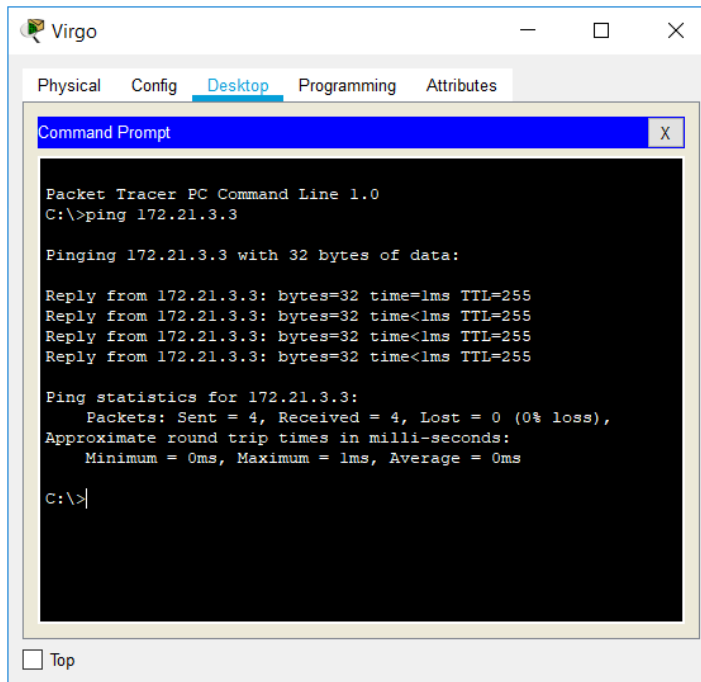
- ping PC Virgo ke tiger(172.21.3.3)

PC
Leo   Fa0

Fa0/0

Se3/0
Se2/0

Se3/0

Se2/0

Fa0/0
Router-PT
puma   Se2/0

Router-PT
t Fa0/0

Fa0

Fa0

PC-PT
Aries

PC-PT
Virgo