

Nama : Hada Hidayat Kelas

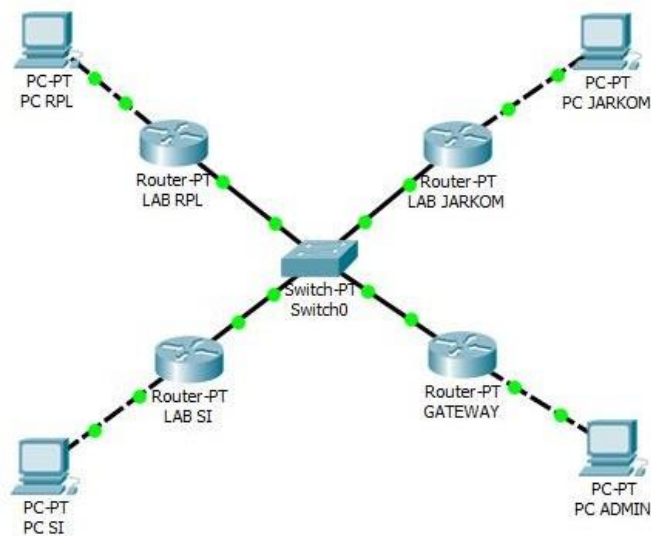
: C

NIM :L200170100

Modul :11

NOMOR1

1. Desainjaringan



2. Konfigurasi RouterJarkom

```
LAB JARKOM

Physical Config CLI Attributes

IOS Command Line Interface

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.0
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

Router(config-if)#int fa 1/0
Router(config-if)#ip address 172.15.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

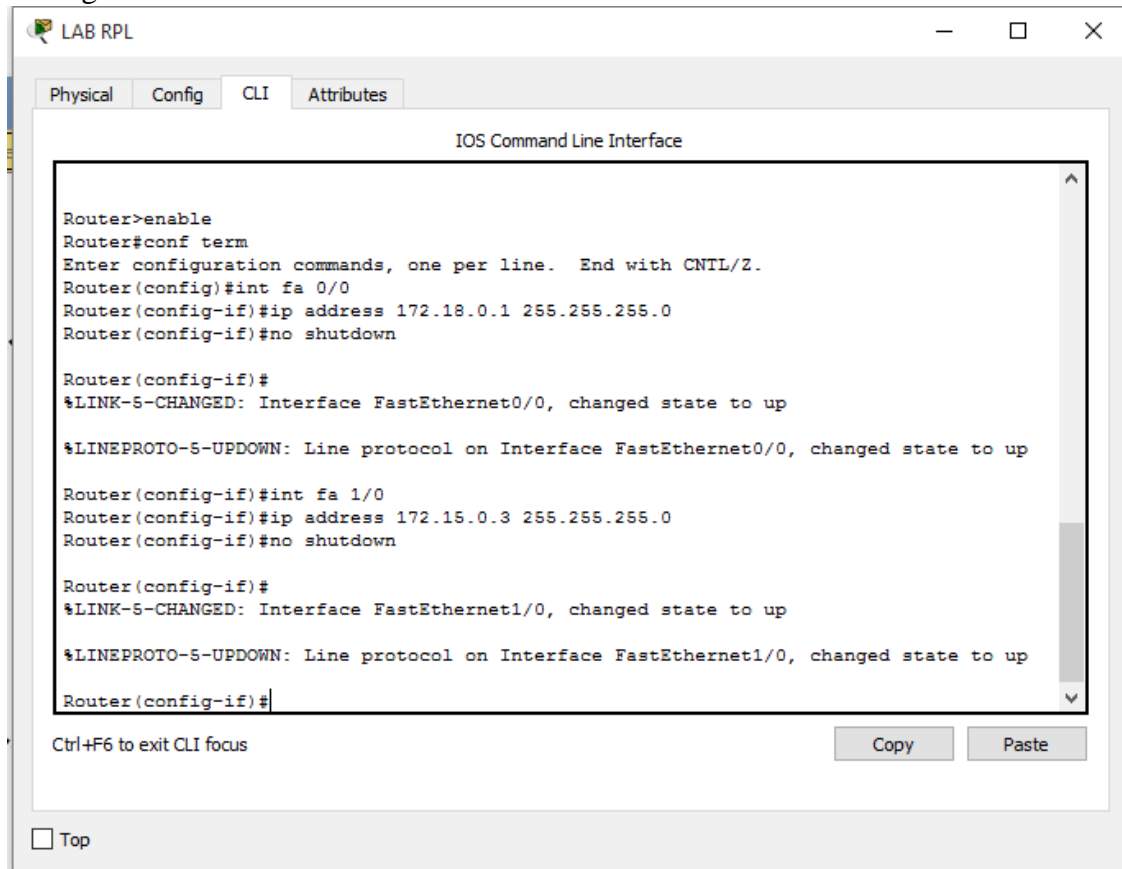
Router(config-if)#exit
Router(config)#hostname jarkom
jarkom(config)#

Ctrl+F6 to exit CLI focus

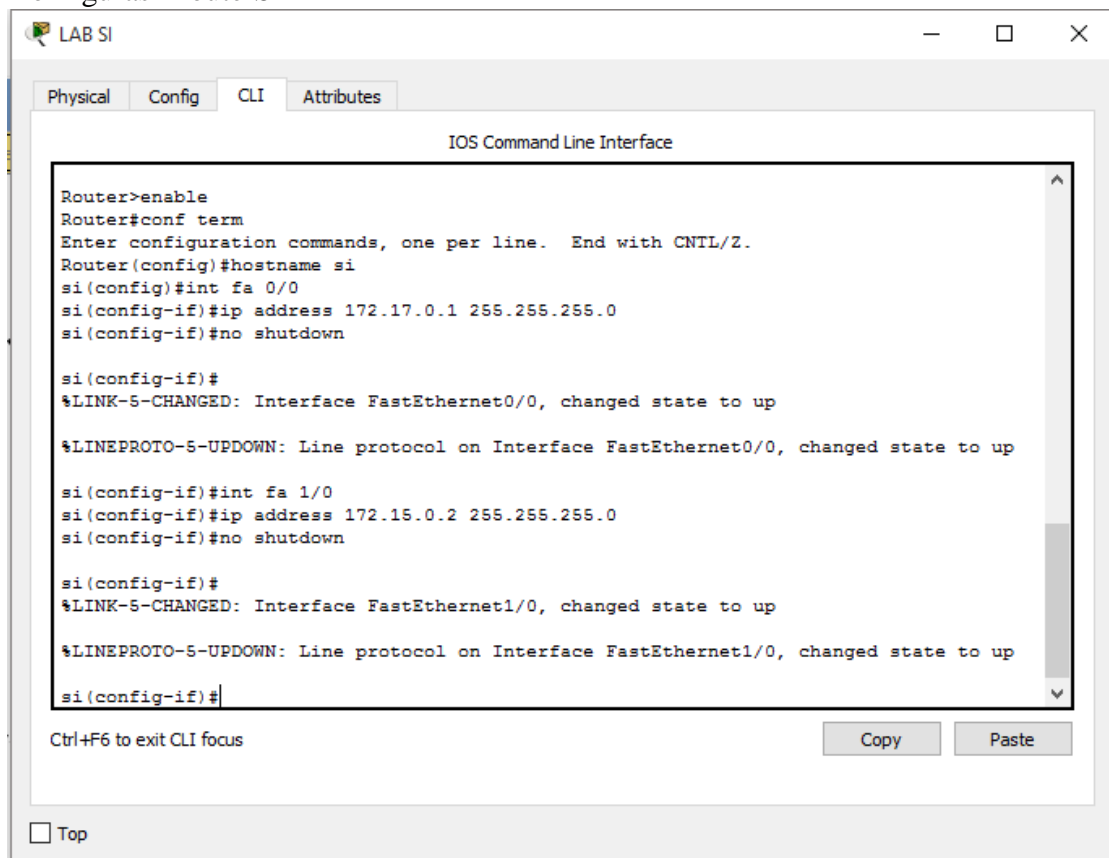
Copy Paste

Top
```

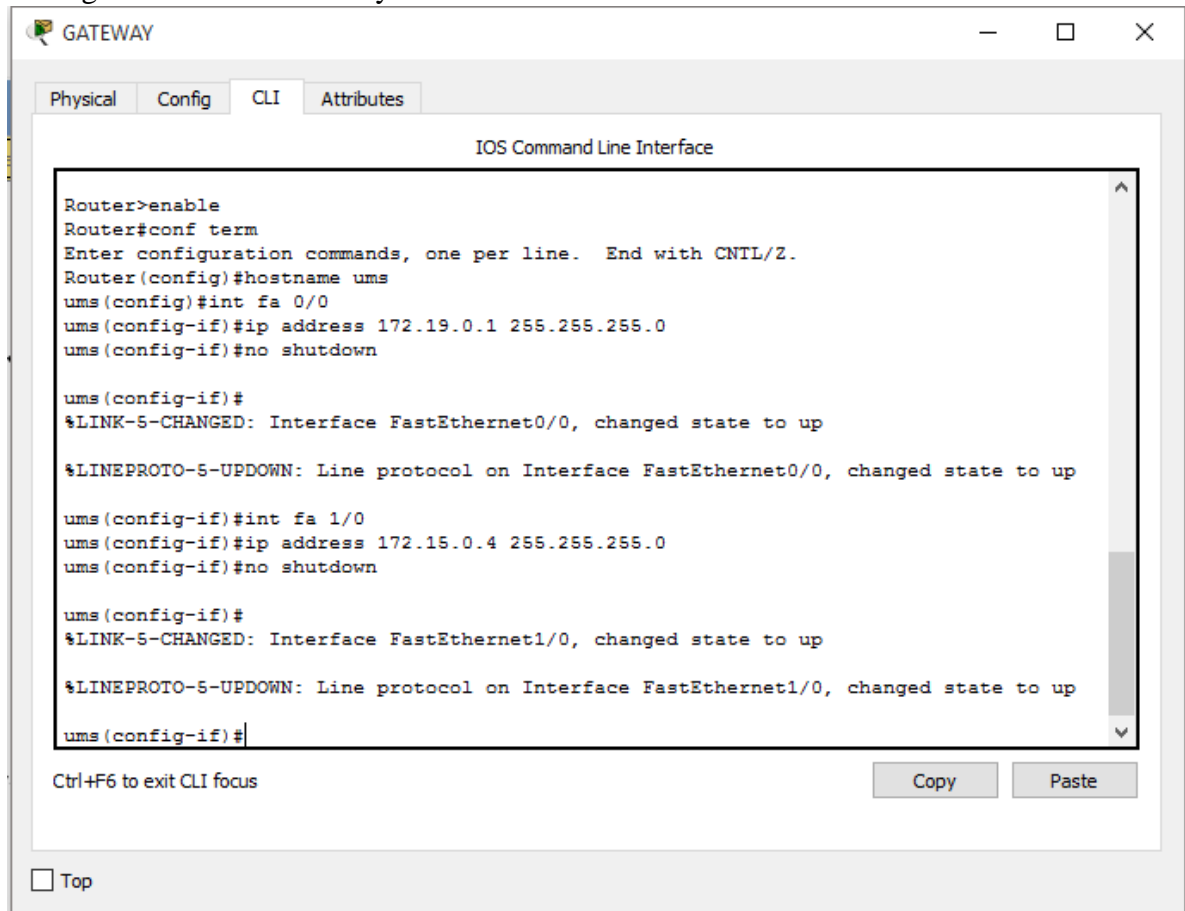
3. Konfigurasi Router RPL



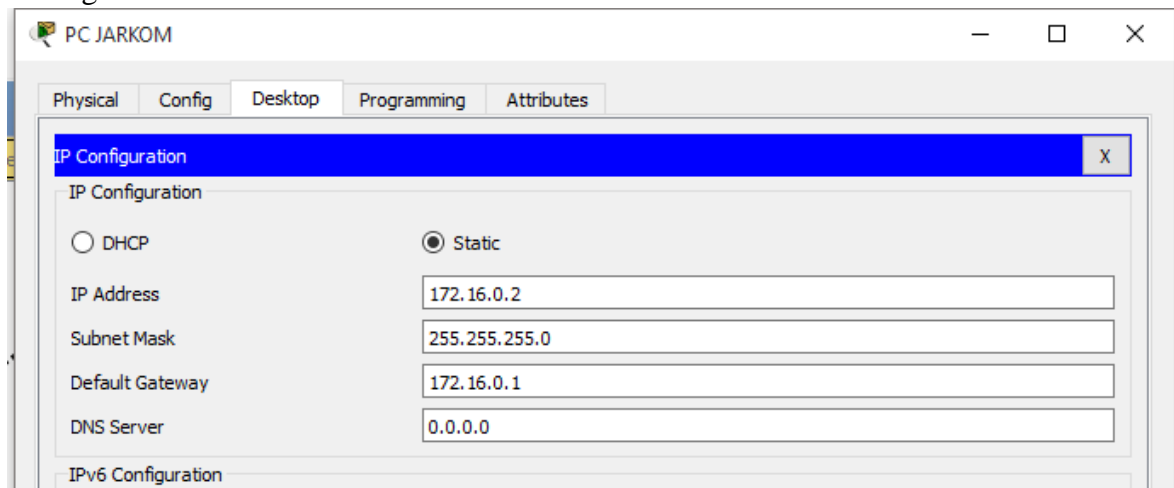
4. Konfigurasi RouterSI



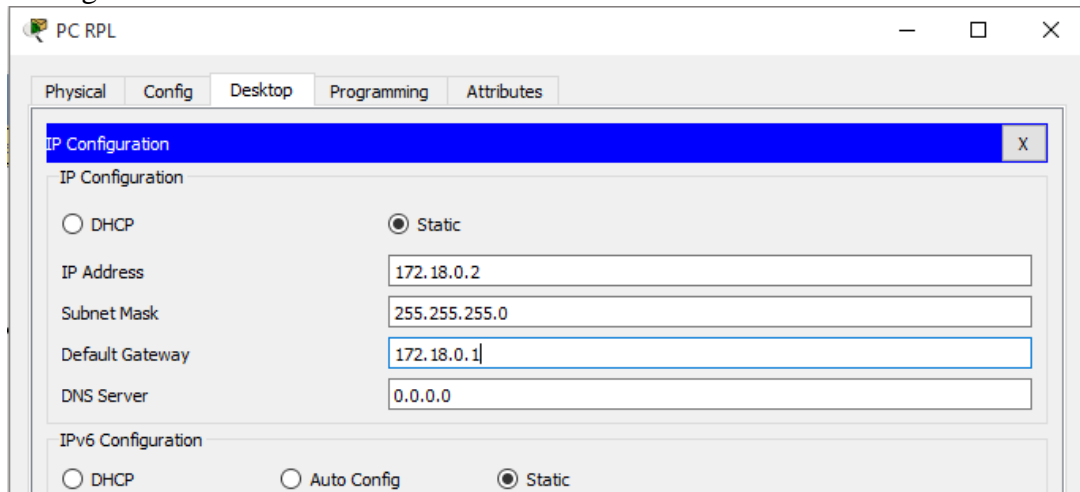
5. Konfigurasi Router Gateway



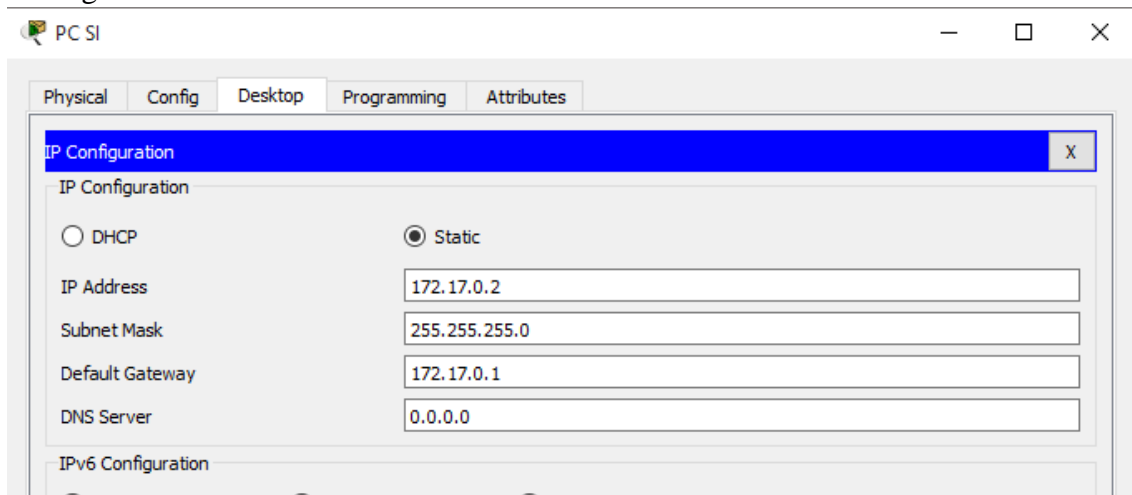
6. Konfigurasi PCJarkom



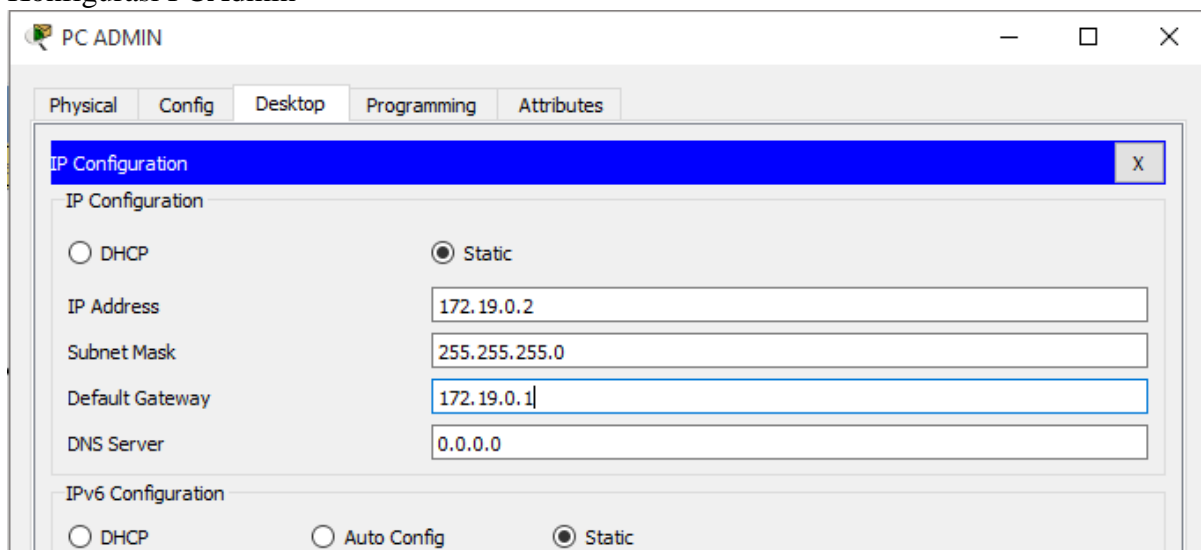
7. Konfigurasi PC RPL



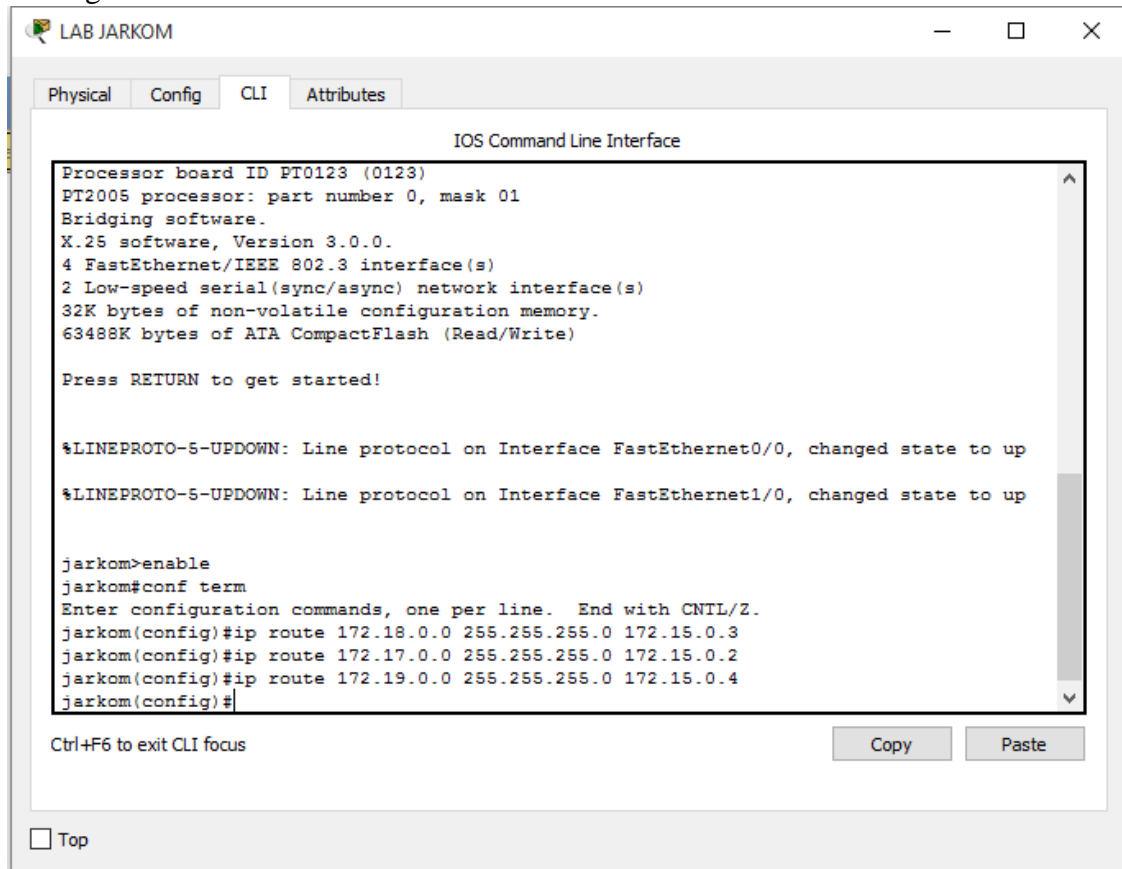
8. Konfigurasi PC SI



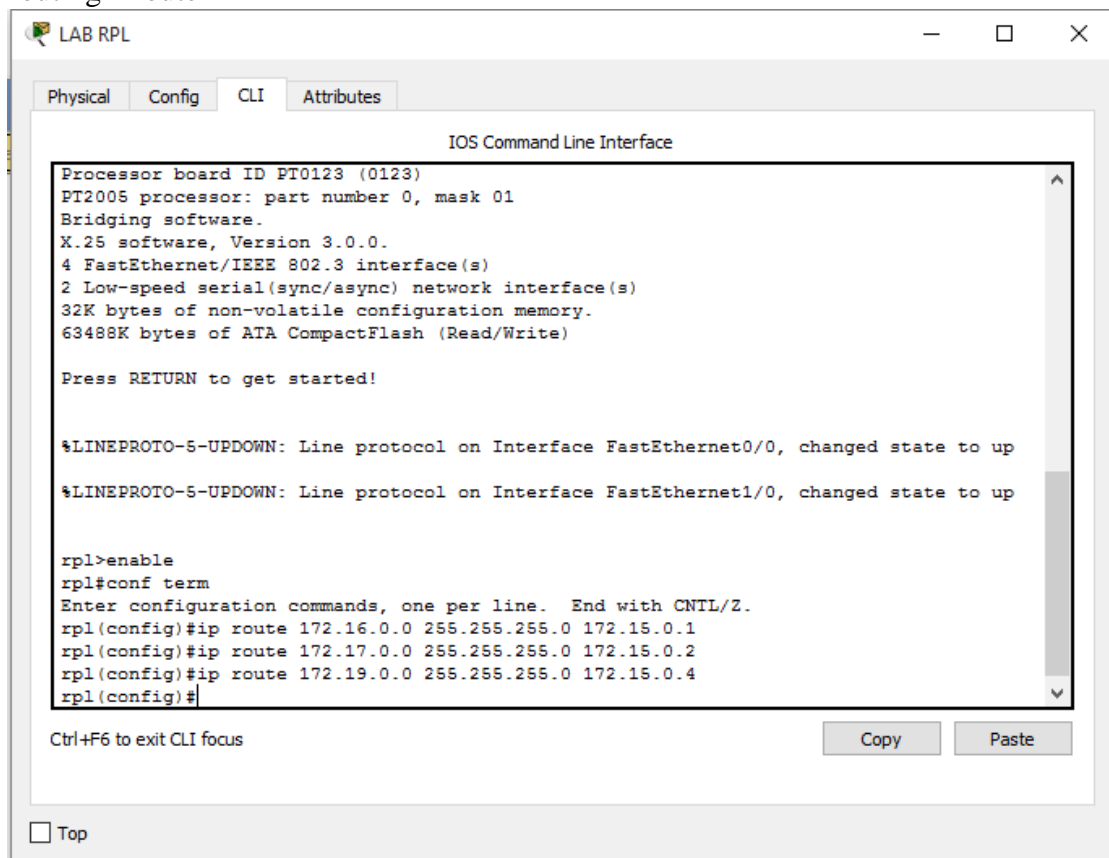
9. Konfigurasi PCAdmin



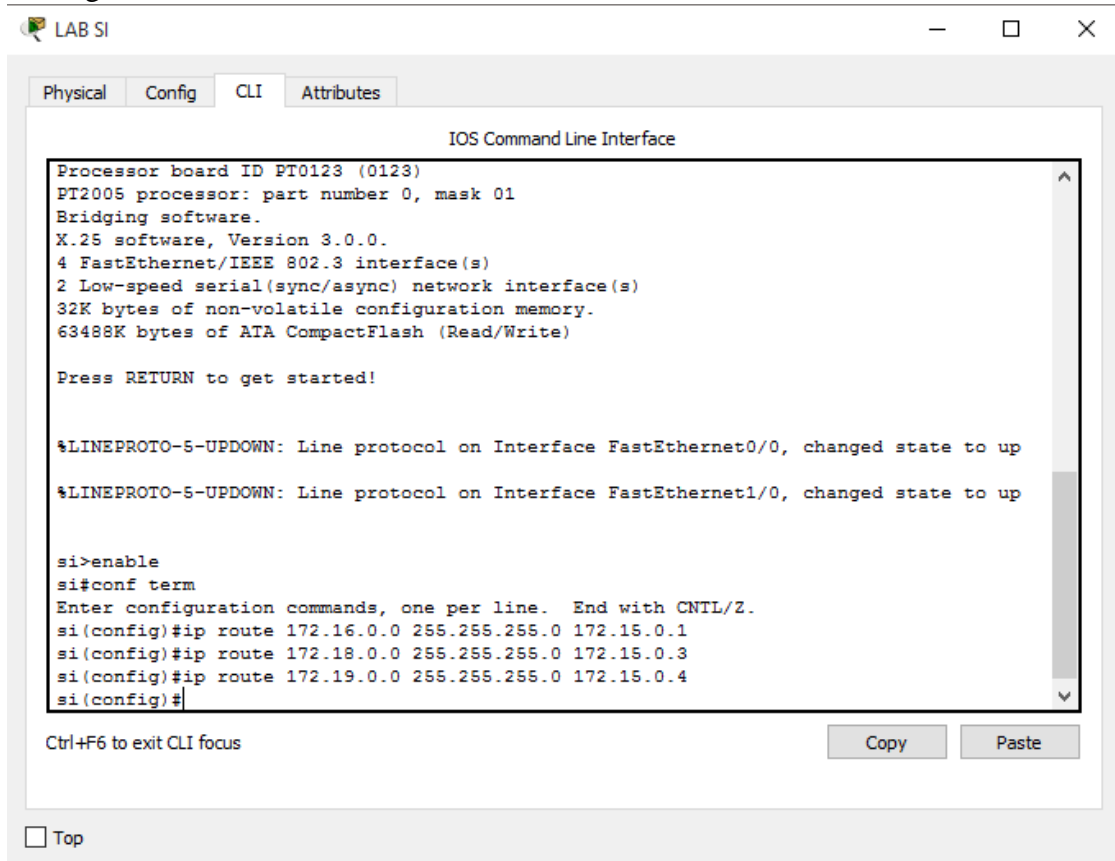
10. Routing – router Jarkom



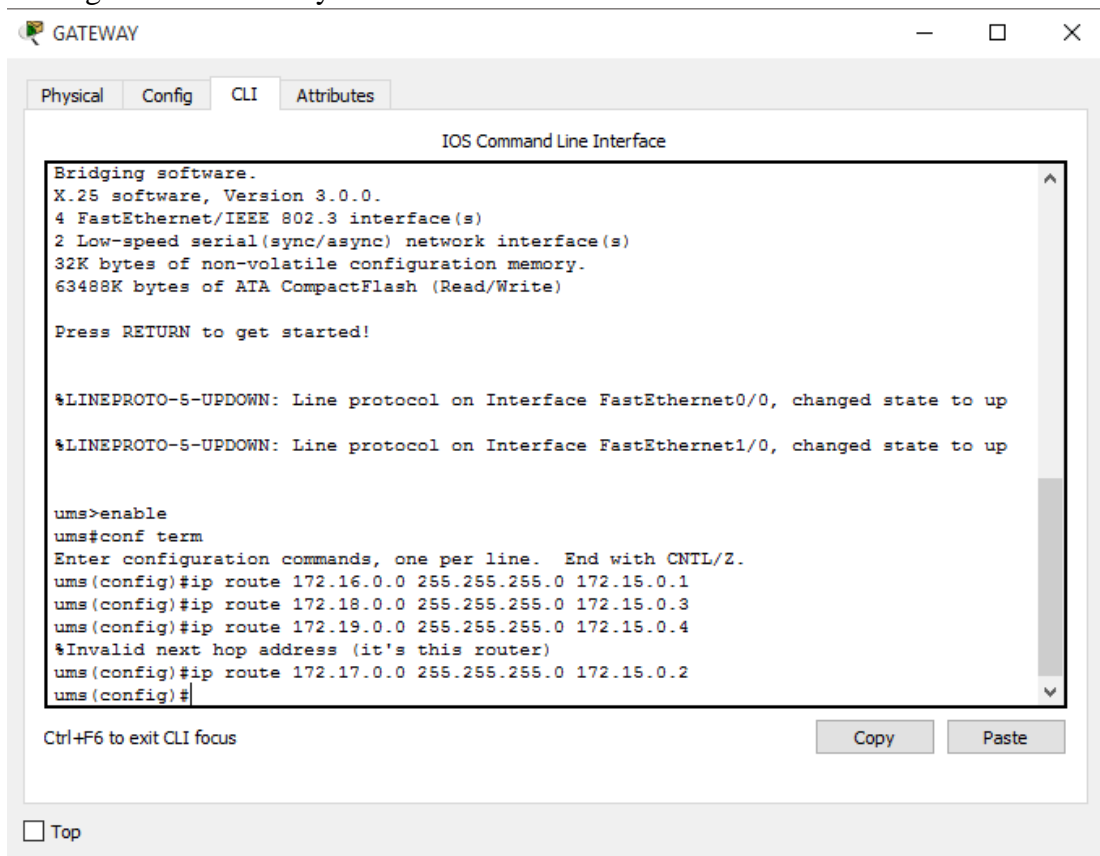
11. Routing – router RPL



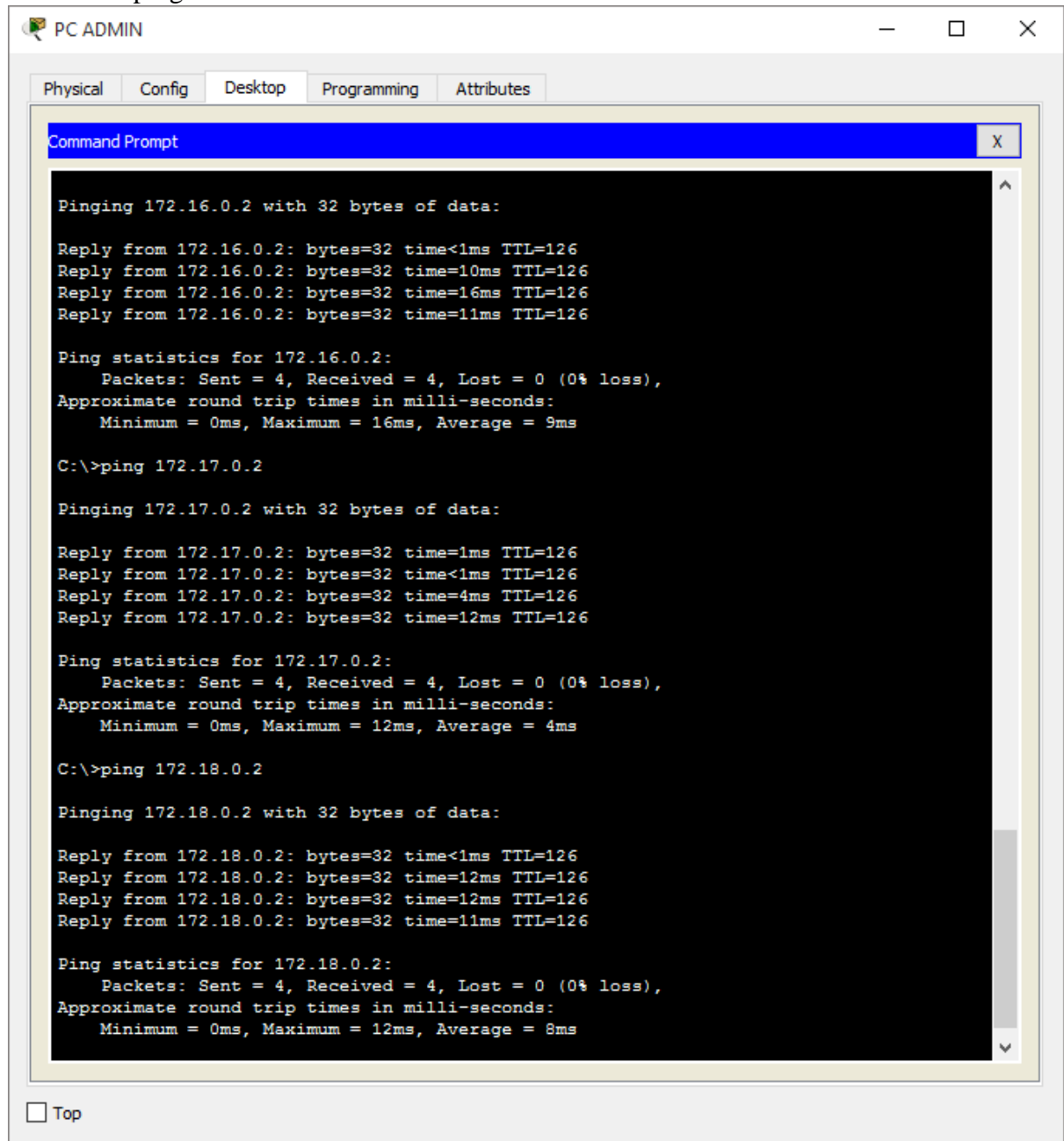
12. Routing – router SI



13. Routing – router Gateway



14. Melakukan ping

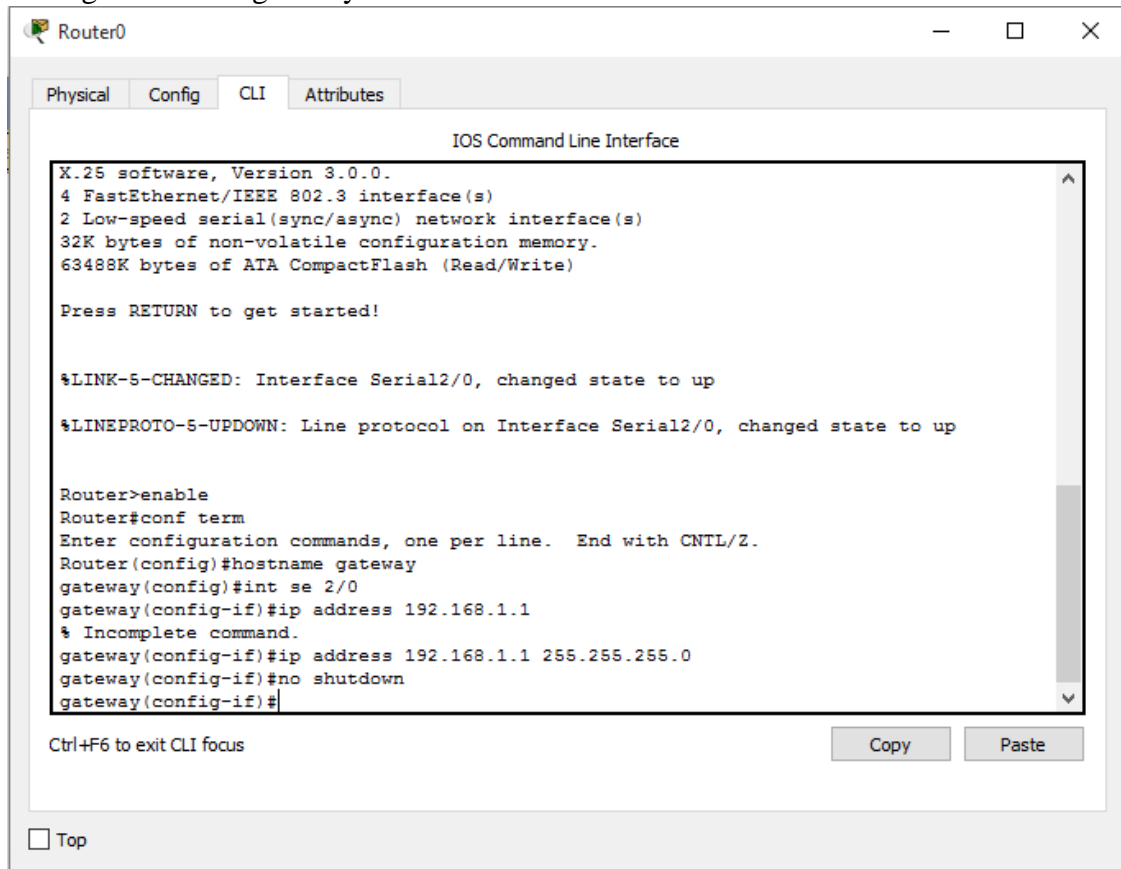


NOMOR 2 – STATIC

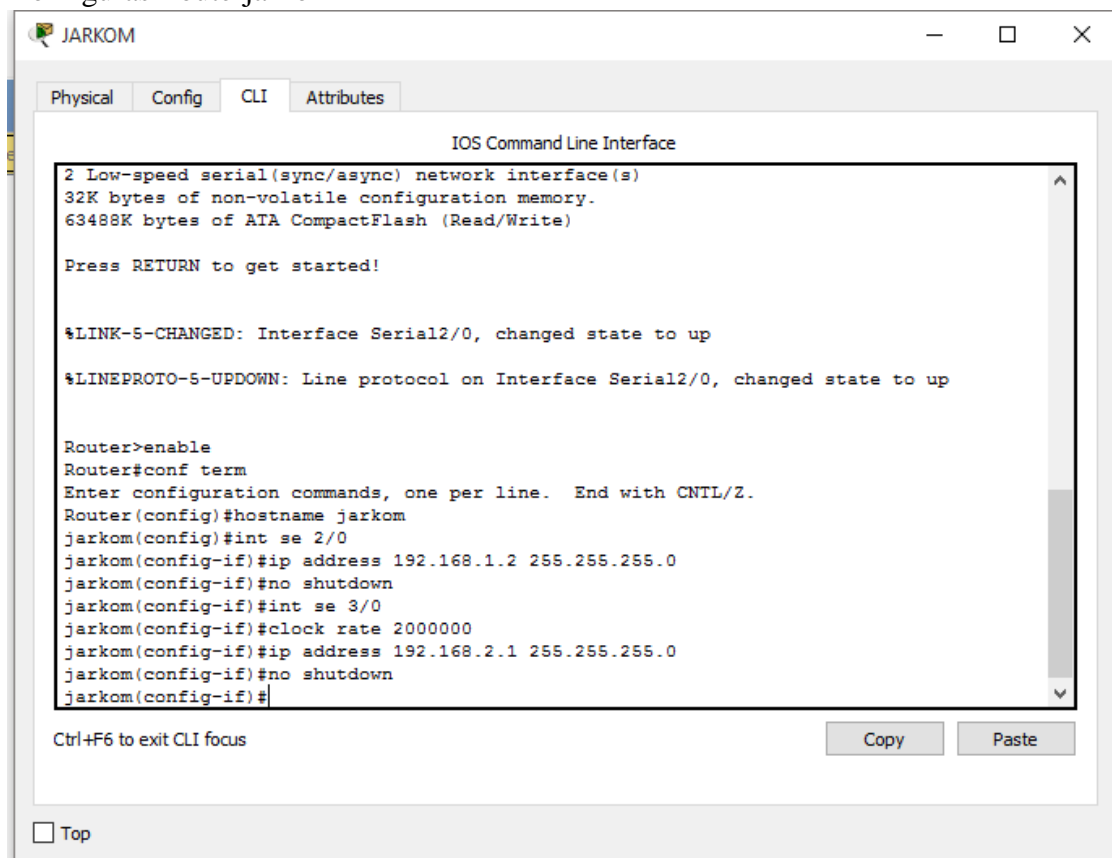
1. Desainjaringan



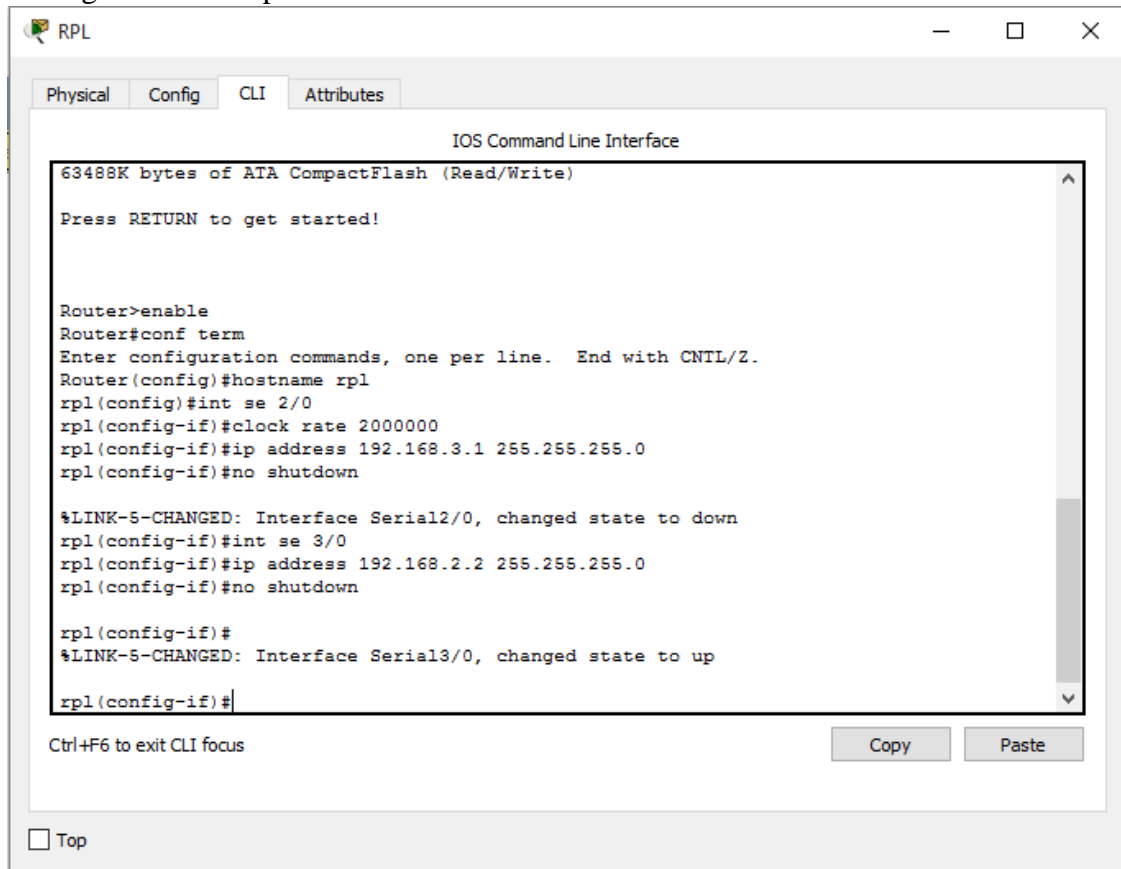
2. Konfigurasi router gateway



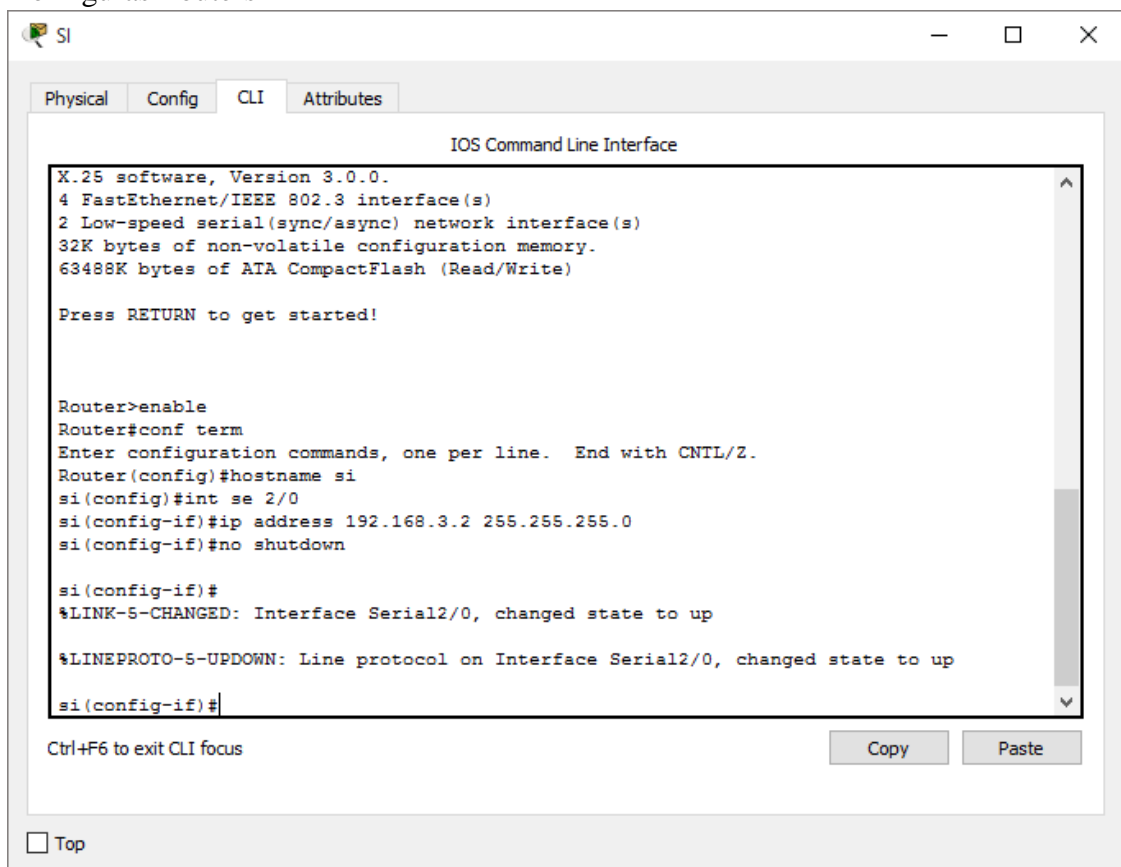
3. Konfigurasi routerjarkom



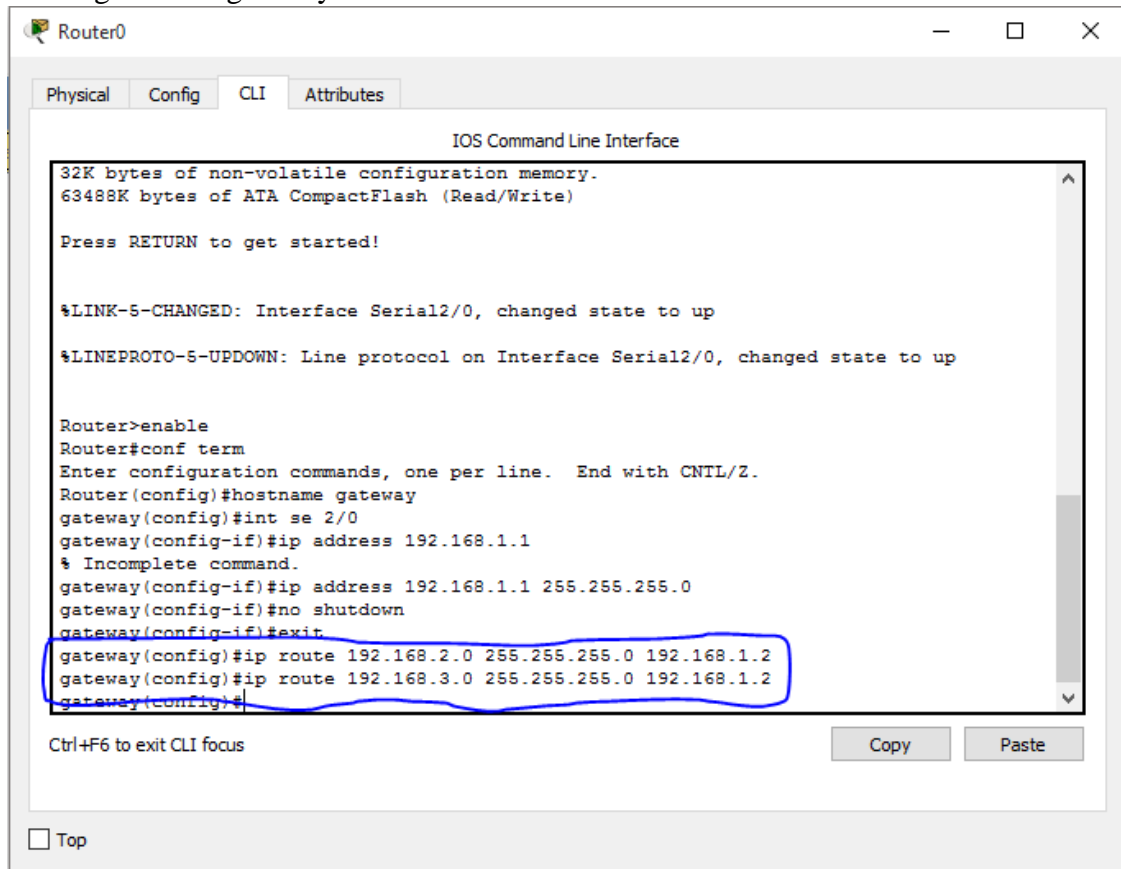
4. Konfigurasi router rpl



5. Konfigurasi routersi



6. Routing – router gateway



The screenshot shows the CLI of Router0. The interface has tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The output shows the router's memory status and a prompt to press RETURN to get started. Below this, there are status messages for Interface Serial2/0. The configuration commands entered are: Router>enable, Router#conf term, Router(config)#hostname gateway, gateway(config)#int se 2/0, gateway(config-if)#ip address 192.168.1.1, gateway(config-if)#ip address 192.168.1.1 255.255.255.0, gateway(config-if)#no shutdown, gateway(config-if)#exit, gateway(config)#ip route 192.168.2.0 255.255.255.0 192.168.1.2, gateway(config)#ip route 192.168.3.0 255.255.255.0 192.168.1.2, and gateway(config)#. The last three lines are circled in blue. At the bottom, there is a 'Top' button and a 'Copy' button.

```
Router0
Physical Config CLI Attributes
IOS Command Line Interface
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

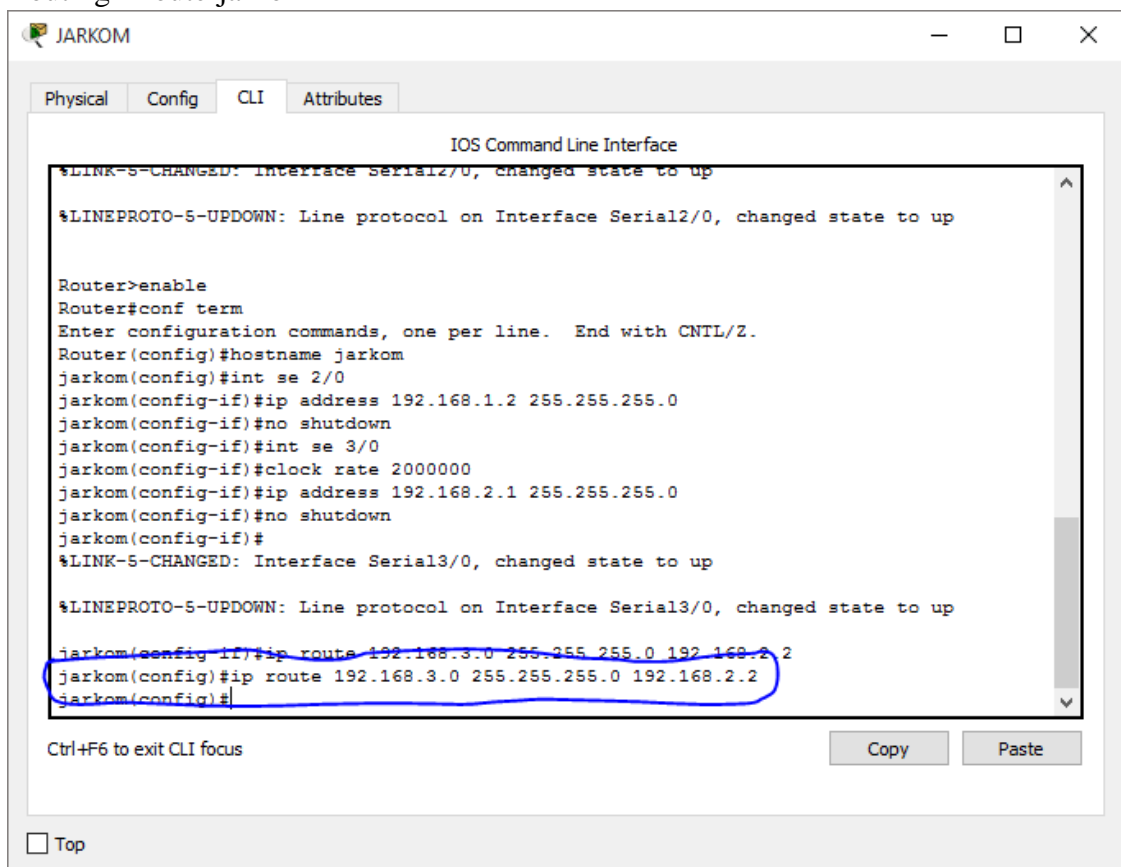
Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname gateway
gateway(config)#int se 2/0
gateway(config-if)#ip address 192.168.1.1
% Incomplete command.
gateway(config-if)#ip address 192.168.1.1 255.255.255.0
gateway(config-if)#no shutdown
gateway(config-if)#exit
gateway(config)#ip route 192.168.2.0 255.255.255.0 192.168.1.2
gateway(config)#ip route 192.168.3.0 255.255.255.0 192.168.1.2
gateway(config)#

Ctrl+F6 to exit CLI focus
```

7. Routing – routerjarkom



The screenshot shows the CLI of JARKOM. The interface has tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The output shows the router's memory status and a prompt to press RETURN to get started. Below this, there are status messages for Interface Serial2/0 and Interface Serial3/0. The configuration commands entered are: Router>enable, Router#conf term, Router(config)#hostname jarkom, jarkom(config)#int se 2/0, jarkom(config-if)#ip address 192.168.1.2 255.255.255.0, jarkom(config-if)#no shutdown, jarkom(config-if)#int se 3/0, jarkom(config-if)#clock rate 2000000, jarkom(config-if)#ip address 192.168.2.1 255.255.255.0, jarkom(config-if)#no shutdown, jarkom(config-if)#, jarkom(config)#ip route 192.168.3.0 255.255.255.0 192.168.2.2, jarkom(config)#ip route 192.168.3.0 255.255.255.0 192.168.2.2, and jarkom(config)#. The last three lines are circled in blue. At the bottom, there is a 'Top' button and a 'Copy' button.

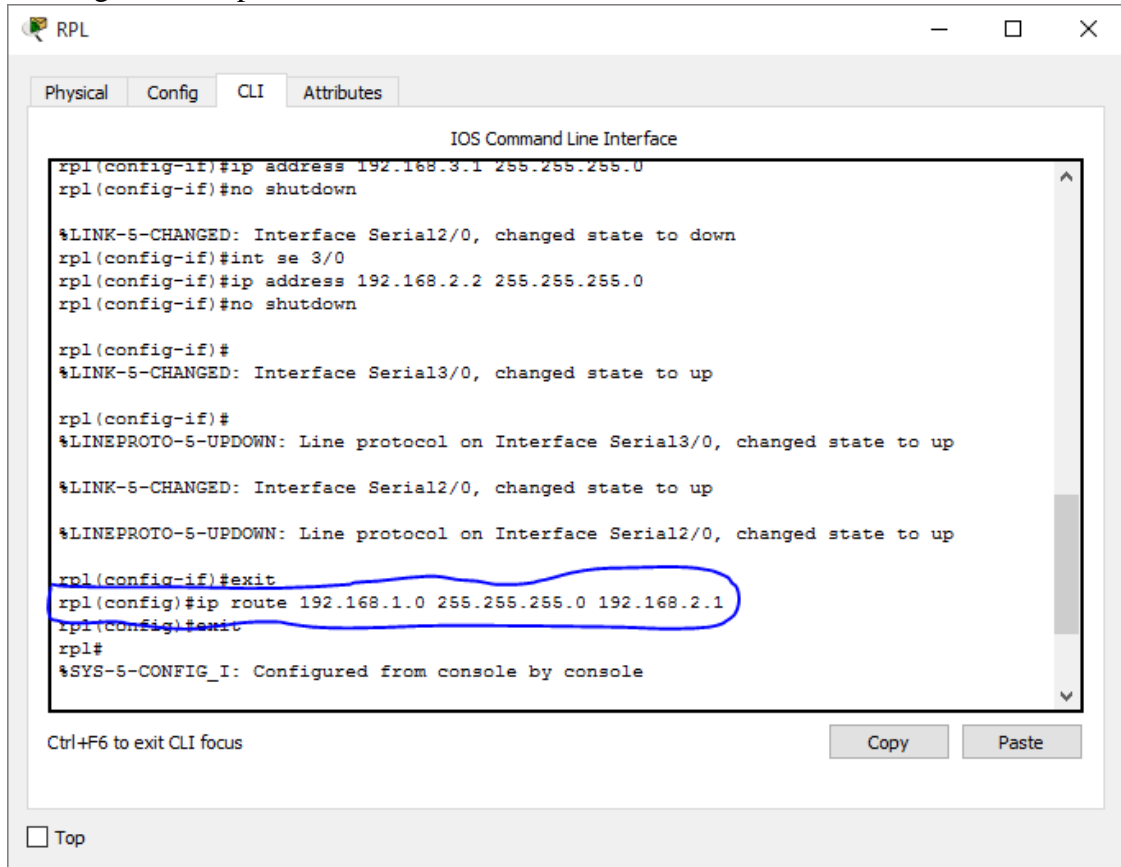
```
JARKOM
Physical Config CLI Attributes
IOS Command Line Interface
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname jarkom
jarkom(config)#int se 2/0
jarkom(config-if)#ip address 192.168.1.2 255.255.255.0
jarkom(config-if)#no shutdown
jarkom(config-if)#int se 3/0
jarkom(config-if)#clock rate 2000000
jarkom(config-if)#ip address 192.168.2.1 255.255.255.0
jarkom(config-if)#no shutdown
jarkom(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

jarkom(config-if)#ip route 192.168.3.0 255.255.255.0 192.168.2.2
jarkom(config)#ip route 192.168.3.0 255.255.255.0 192.168.2.2
jarkom(config)#

Ctrl+F6 to exit CLI focus
```

8. Routing – router rpl



The screenshot shows the RPL router configuration window with the CLI tab selected. The CLI interface displays the following commands and messages:

```
rpl(config-if)#ip address 192.168.3.1 255.255.255.0
rpl(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
rpl(config-if)#int se 3/0
rpl(config-if)#ip address 192.168.2.2 255.255.255.0
rpl(config-if)#no shutdown

rpl(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

rpl(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

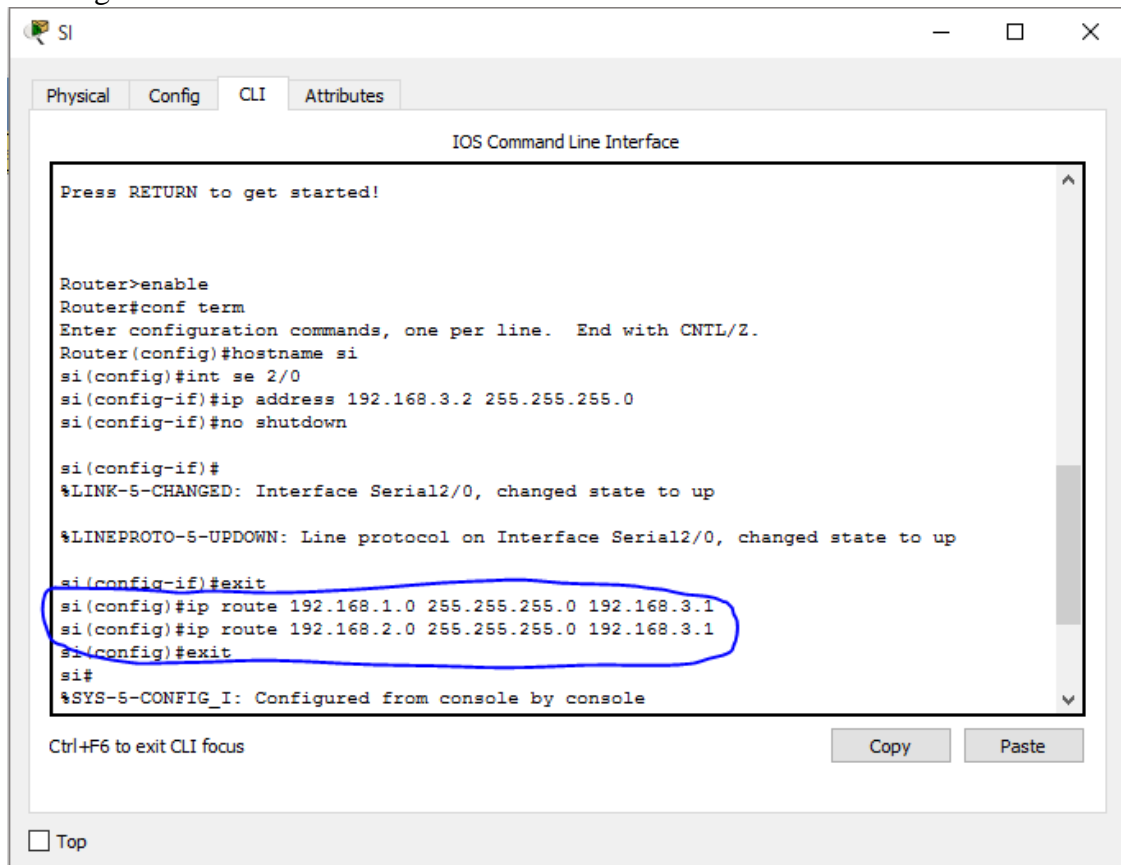
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

rpl(config-if)#exit
rpl(config)#ip route 192.168.1.0 255.255.255.0 192.168.2.1
rpl(config)#exit
rpl#
%SYS-5-CONFIG_I: Configured from console by console
```

Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" message and buttons for "Copy" and "Paste". A "Top" button is located at the bottom left of the window.

9. Routing – routersi



The screenshot shows the SI router configuration window with the CLI tab selected. The CLI interface displays the following commands and messages:

```
Press RETURN to get started!

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname si
si(config)#int se 2/0
si(config-if)#ip address 192.168.3.2 255.255.255.0
si(config-if)#no shutdown

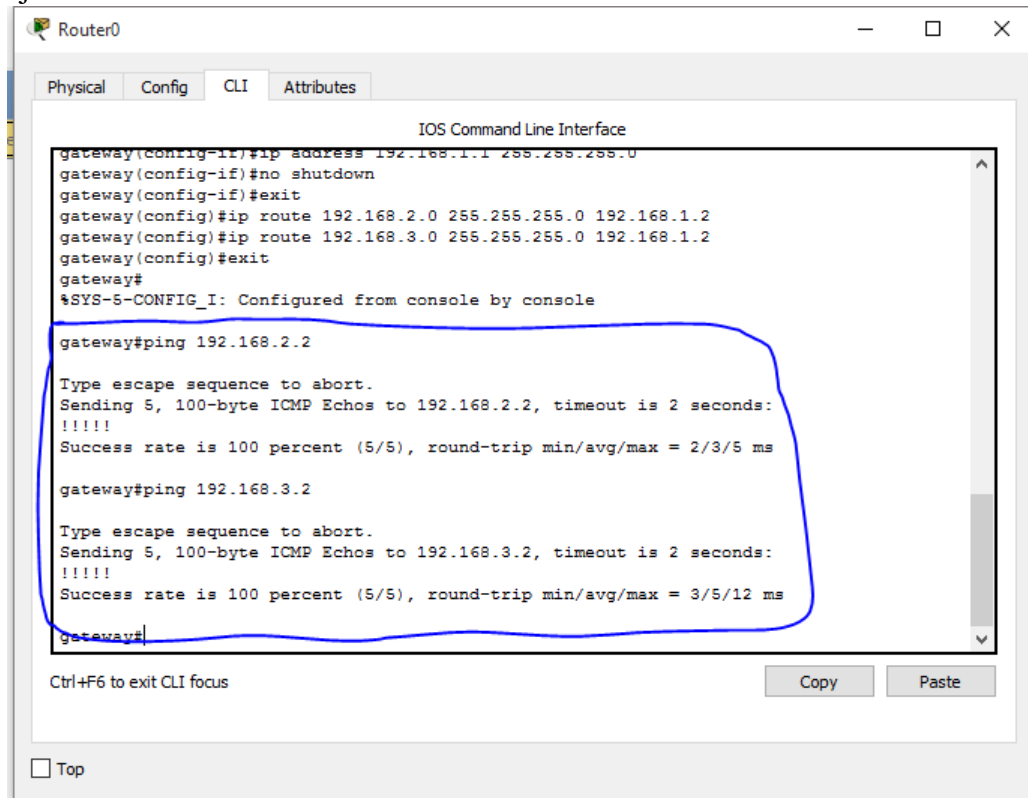
si(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

si(config-if)#exit
si(config)#ip route 192.168.1.0 255.255.255.0 192.168.3.1
si(config)#ip route 192.168.2.0 255.255.255.0 192.168.3.1
si(config)#exit
si#
%SYS-5-CONFIG_I: Configured from console by console
```

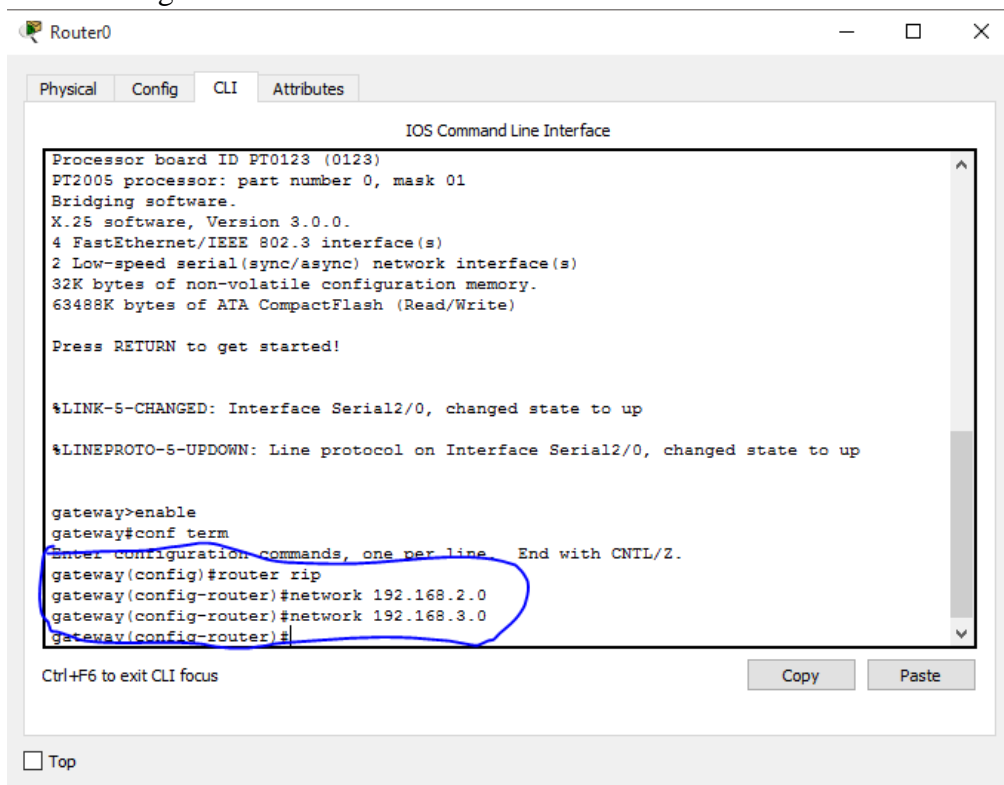
Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" message and buttons for "Copy" and "Paste". A "Top" button is located at the bottom left of the window.

10. Uji konektivitas

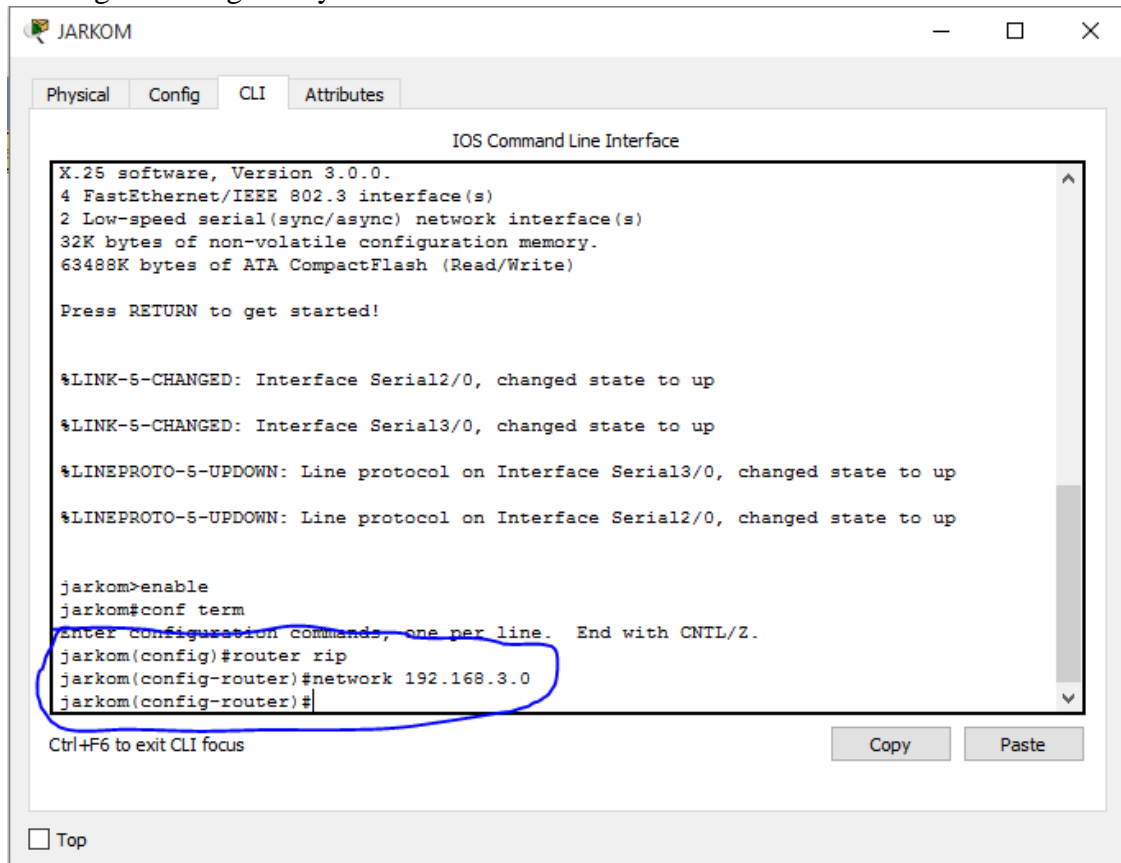


NOMOR 2 – DINAMIS (RIP)

1. Desain Jaringan



2. Routing – router gateway



The screenshot shows the JARKOM CLI interface with the following text:

```
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

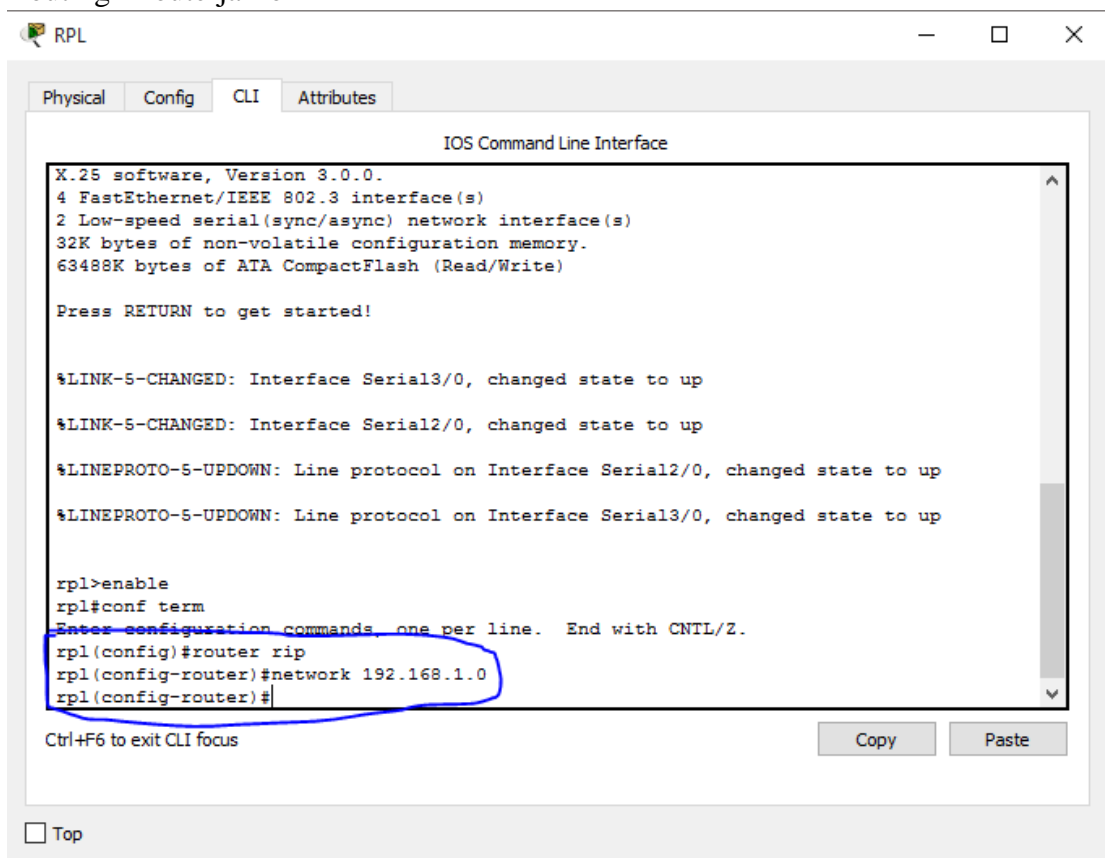
jarkom>enable
jarkom#conf term
Enter configuration commands, one per line. End with CNTL/Z.
jarkom(config)#router rip
jarkom(config-router)#network 192.168.3.0
jarkom(config-router)#
```

Buttons: Copy, Paste

Ctrl+F6 to exit CLI focus

☐ Top

3. Routing – routerjarkom



The screenshot shows the RPL CLI interface with the following text:

```
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

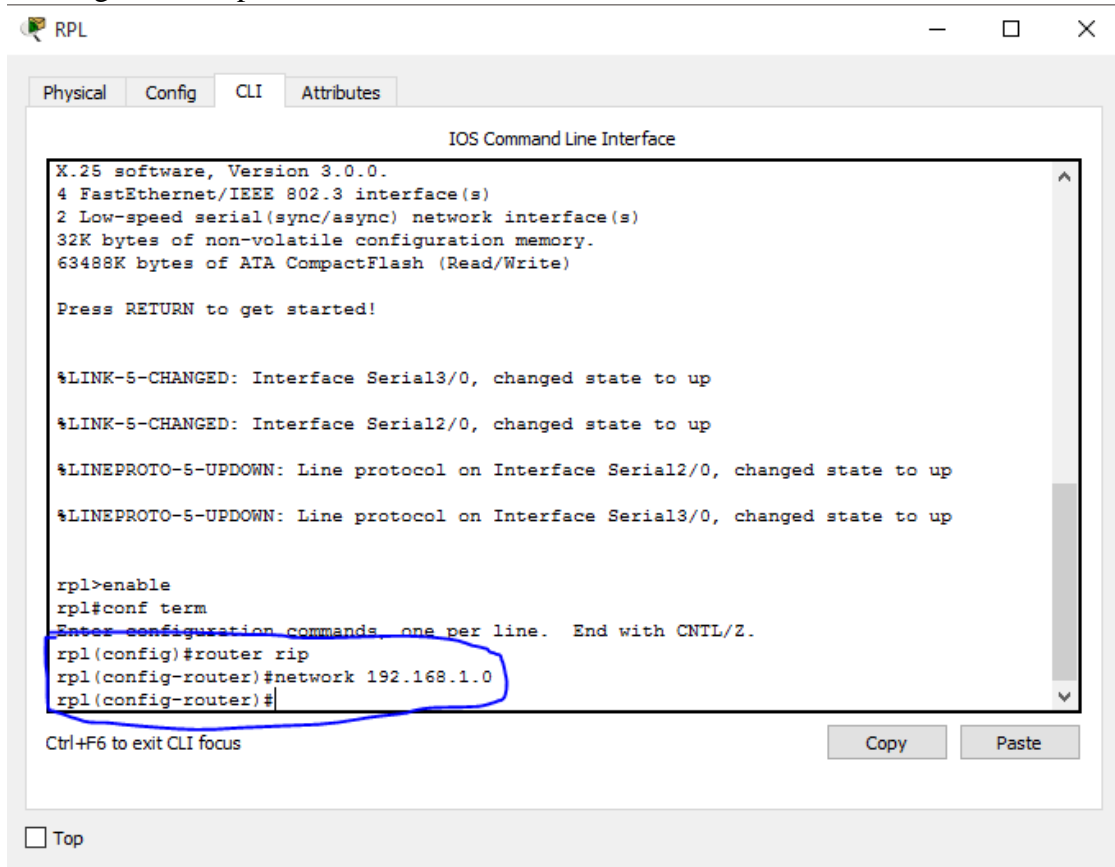
rpl>enable
rpl#conf term
Enter configuration commands, one per line. End with CNTL/Z.
rpl(config)#router rip
rpl(config-router)#network 192.168.1.0
rpl(config-router)#
```

Buttons: Copy, Paste

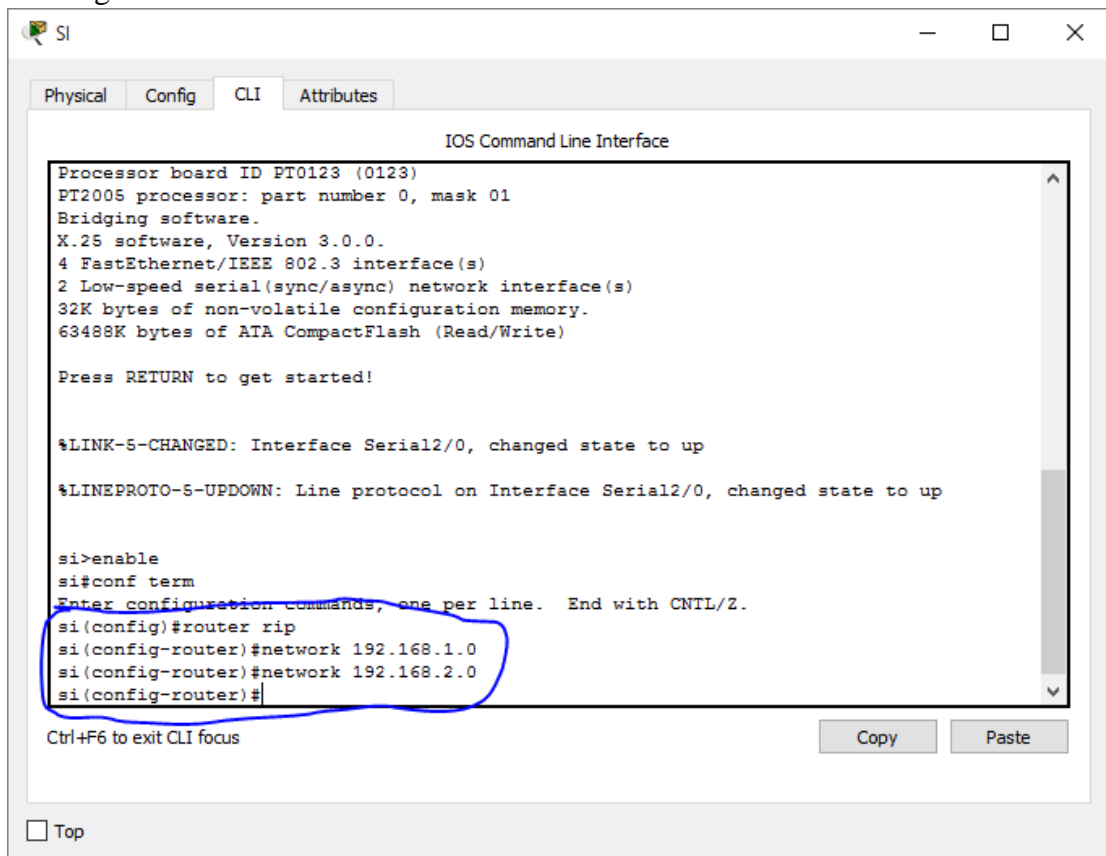
Ctrl+F6 to exit CLI focus

☐ Top

4. Routing – router rpl



5. Routing – routersi



6. Uji konektivitas

