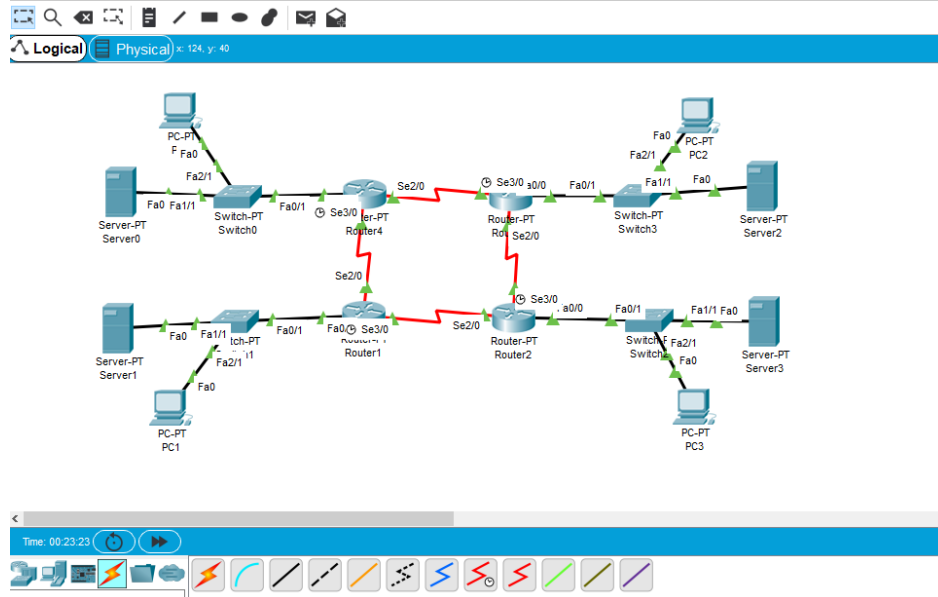


Nama : Astrin Indah Melliana
 Kelas : A
 Nim : L200170013

ULANGAN AKHIR SEMESTER

1. Membuat topologi jaringan sebagai berikut:



2. Konfigurasi alamat ip (sesuai gambar topologi nomor 1)

a.

Router 0	Server DNS	PC 0
SE 2/0 (ip add 192.168.5.1)	Ip add 192.168.1.2	Ip add 192.168.1.3
SE 3/0 (ip add 192.168.8.2)		
Fa 0/0 (ip add 192.168.1.1)		

b.

Router 1	Server DHCP	PC 2
SE 2/0 (ip add 192.168.6.1)	Ip add 192.168.2.2	Otomatis sesuai pengaturan dhcp yang dibuat (ip add 192.168.2.3)
SE 3/0 (ip add 192.168.5.2)		
Fa 0/0 (ip add 192.168.2.1)		

c.

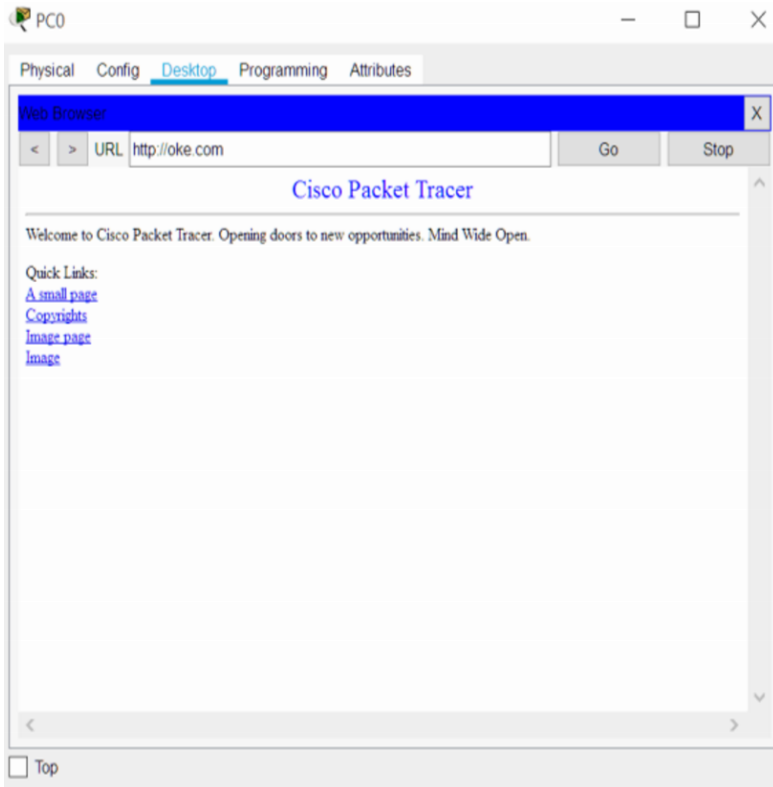
Router 2	Server3	PC 3
SE 2/0 (ip add 192.168.7.1)	Ip add 192.168.3.2	Ip add 192.168.3.3
SE 3/0 (ip add 192.168.6.2)		
Fa 0/0 (ip add 192.168.3.1)		

d.

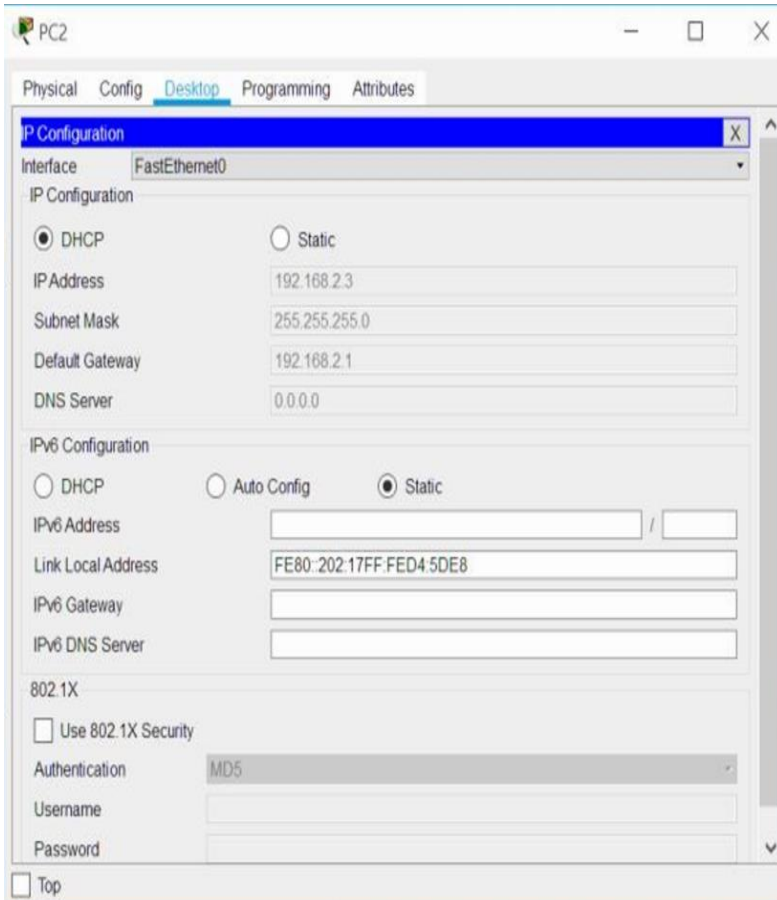
Router 3	Server Web	PC 1
SE 2/0 (ip add 192.168.8.1)	Ip add 192.168.4.2	Ip add 192.168.4.3
SE 3/0 (ip add 192.168.7.2)		
Fa 0/0 (ip add 192.168.4.1)		

Test nomor 2

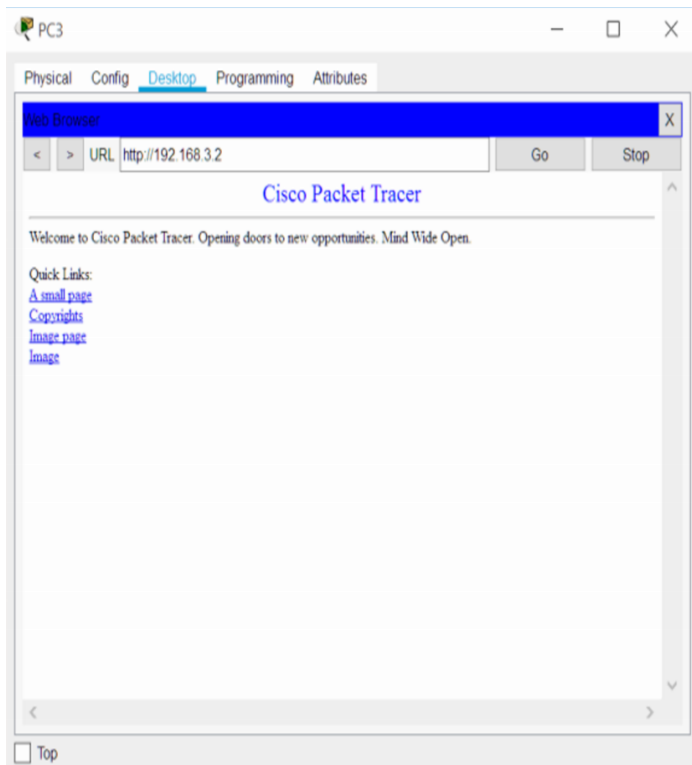
- DNS server



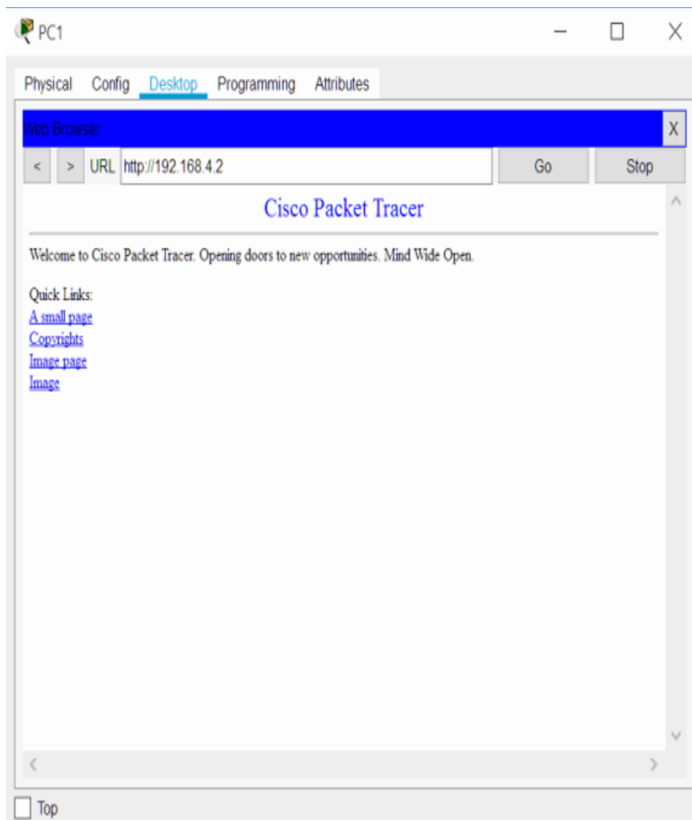
- DHCP Server



- Server3

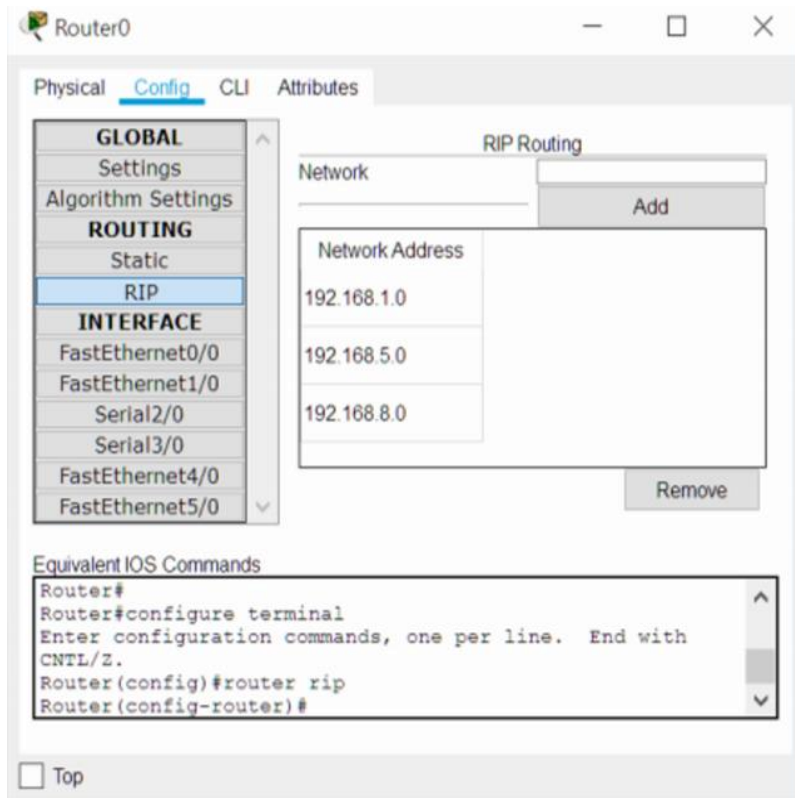


- Server Web



3. Konfigurasi routing dinamis

a. router 0



The screenshot shows the configuration window for Router0. The 'Config' tab is active, and the 'ROUTING' section is expanded, with 'RIP' selected. The 'RIP Routing' configuration area shows a 'Network' field with a dropdown menu and an 'Add' button. Below this, a table lists the configured network addresses:

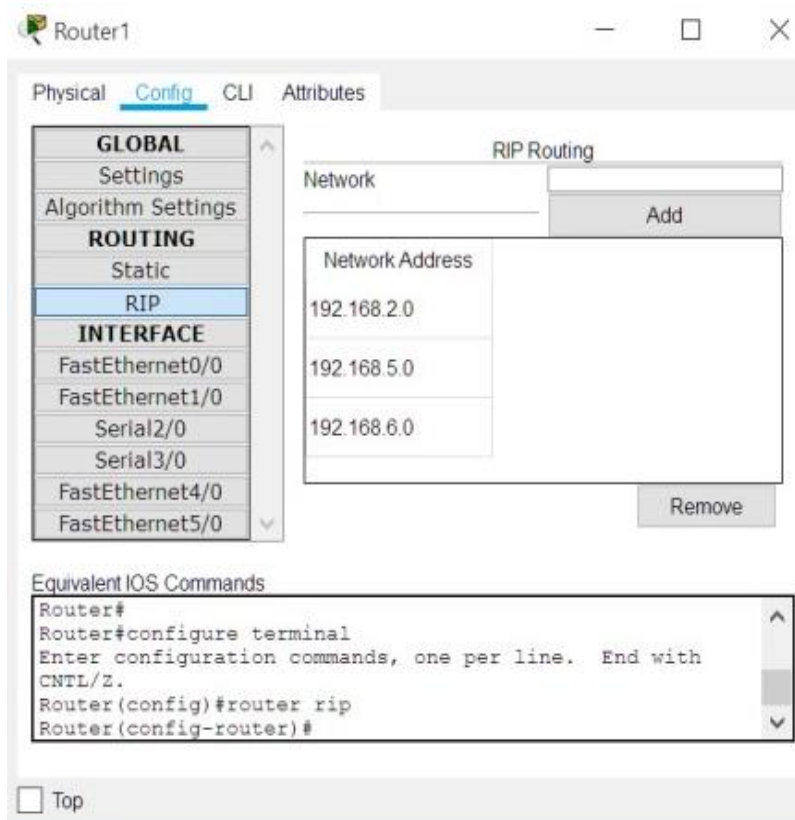
Network Address
192.168.1.0
192.168.5.0
192.168.8.0

Below the table is a 'Remove' button. At the bottom, the 'Equivalent IOS Commands' section shows the following commands:

```
Router#  
Router#configure terminal  
Enter configuration commands, one per line. End with  
CNTL/Z.  
Router(config)#router rip  
Router(config-router)#
```

A 'Top' button is located at the bottom left of the window.

b. router 1



The screenshot shows the configuration window for Router1. The 'Config' tab is active, and the 'ROUTING' section is expanded, with 'RIP' selected. The 'RIP Routing' configuration area shows a 'Network' field with a dropdown menu and an 'Add' button. Below this, a table lists the configured network addresses:

Network Address
192.168.2.0
192.168.5.0
192.168.6.0

Below the table is a 'Remove' button. At the bottom, the 'Equivalent IOS Commands' section shows the following commands:

```
Router#  
Router#configure terminal  
Enter configuration commands, one per line. End with  
CNTL/Z.  
Router(config)#router rip  
Router(config-router)#
```

A 'Top' button is located at the bottom left of the window.

c. router 2

Router2

Physical **Config** CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static
- RIP**

INTERFACE

- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

RIP Routing

Network

Add

Network Address

- 192.168.3.0
- 192.168.6.0
- 192.168.7.0

Remove

Equivalent IOS Commands

```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

☐ Top

d. router 3

Router3

Physical **Config** CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static
- RIP**

INTERFACE

- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

RIP Routing

Network

Add

Network Address

- 192.168.4.0
- 192.168.7.0
- 192.168.8.0

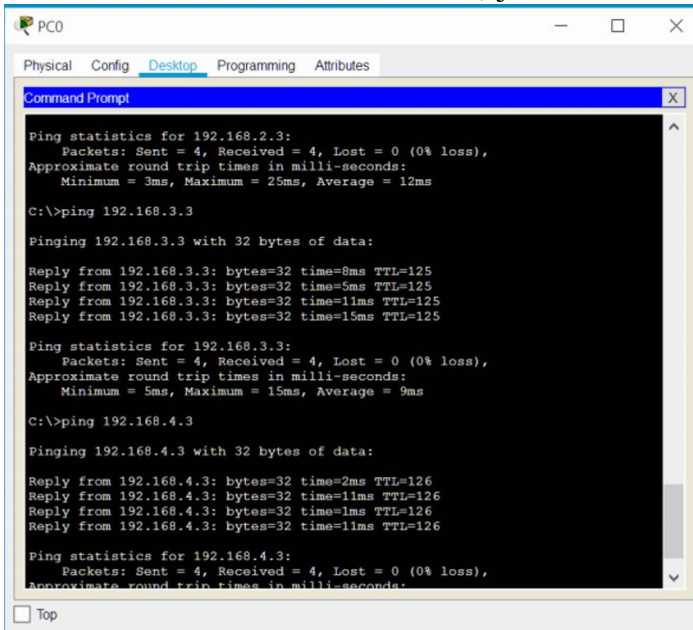
Remove

Equivalent IOS Commands

```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

☐ Top

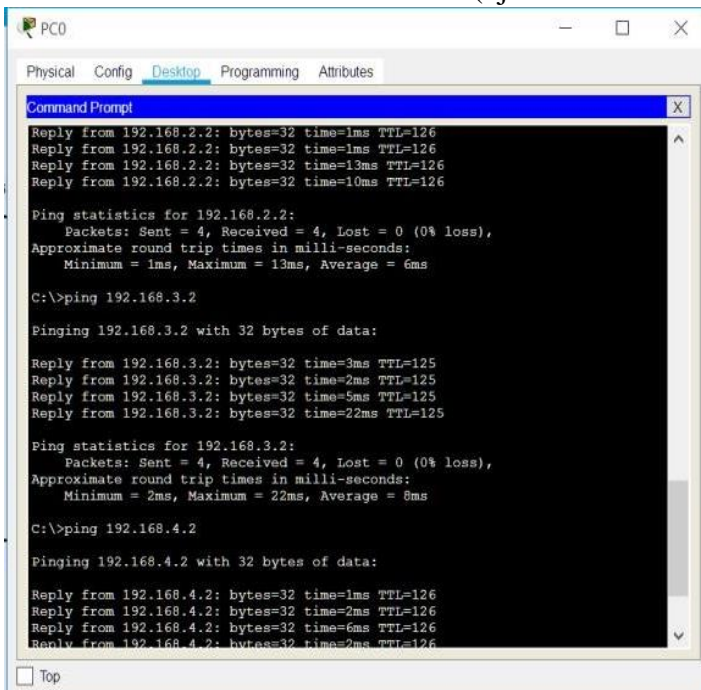
→ Test nomor 3 router dinamis (uji konektivitas antar PC)



The screenshot shows a PC0 window with a Command Prompt. The Command Prompt displays the results of three ping commands. The first command is 'ping 192.168.2.3', which shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 12ms. The second command is 'ping 192.168.3.3', which also shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 9ms. The third command is 'ping 192.168.4.3', which shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 9ms.

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Ping statistics for 192.168.2.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 25ms, Average = 12ms
C:\>ping 192.168.3.3
Pinging 192.168.3.3 with 32 bytes of data:
Reply from 192.168.3.3: bytes=32 time=8ms TTL=125
Reply from 192.168.3.3: bytes=32 time=5ms TTL=125
Reply from 192.168.3.3: bytes=32 time=11ms TTL=125
Reply from 192.168.3.3: bytes=32 time=15ms TTL=125
Ping statistics for 192.168.3.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 5ms, Maximum = 15ms, Average = 9ms
C:\>ping 192.168.4.3
Pinging 192.168.4.3 with 32 bytes of data:
Reply from 192.168.4.3: bytes=32 time=2ms TTL=126
Reply from 192.168.4.3: bytes=32 time=11ms TTL=126
Reply from 192.168.4.3: bytes=32 time=1ms TTL=126
Reply from 192.168.4.3: bytes=32 time=11ms TTL=126
Ping statistics for 192.168.4.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
```

→ Test nomor 3 router dinamis (uji konektivitas PC ke server antar router)



The screenshot shows a PC0 window with a Command Prompt. The Command Prompt displays the results of three ping commands. The first command is 'ping 192.168.2.2', which shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 6ms. The second command is 'ping 192.168.3.2', which shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 8ms. The third command is 'ping 192.168.4.2', which shows a successful connection with 4 packets sent and received, 0% loss, and an average round trip time of 2ms.

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126
Reply from 192.168.2.2: bytes=32 time=1ms TTL=126
Reply from 192.168.2.2: bytes=32 time=13ms TTL=126
Reply from 192.168.2.2: bytes=32 time=10ms TTL=126
Ping statistics for 192.168.2.2:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 13ms, Average = 6ms
C:\>ping 192.168.3.2
Pinging 192.168.3.2 with 32 bytes of data:
Reply from 192.168.3.2: bytes=32 time=3ms TTL=125
Reply from 192.168.3.2: bytes=32 time=2ms TTL=125
Reply from 192.168.3.2: bytes=32 time=5ms TTL=125
Reply from 192.168.3.2: bytes=32 time=22ms TTL=125
Ping statistics for 192.168.3.2:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 22ms, Average = 8ms
C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Reply from 192.168.4.2: bytes=32 time=1ms TTL=126
Reply from 192.168.4.2: bytes=32 time=2ms TTL=126
Reply from 192.168.4.2: bytes=32 time=6ms TTL=126
Reply from 192.168.4.2: bytes=32 time=2ms TTL=126
```

4. Konfigurasi router statis

a. router 0

The screenshot shows the configuration window for Router0. The left sidebar has a tree view with 'ROUTING' expanded and 'Static' selected. The main area is titled 'Static Routes' and contains a table with the following entries:

Network	Mask	Next Hop
192.168.1.0/24	255.255.255.0	192.168.8.1
192.168.2.0/24	255.255.255.0	192.168.8.1
192.168.3.0/24	255.255.255.0	192.168.8.1
192.168.4.0/24	255.255.255.0	192.168.8.1
192.168.5.0/24	255.255.255.0	192.168.8.1
192.168.6.0/24	255.255.255.0	192.168.8.1
192.168.7.0/24	255.255.255.0	192.168.8.1
192.168.8.0/24	255.255.255.0	192.168.8.1
192.168.9.0/24	255.255.255.0	192.168.8.1
192.168.10.0/24	255.255.255.0	192.168.8.1
192.168.11.0/24	255.255.255.0	192.168.8.1
192.168.12.0/24	255.255.255.0	192.168.8.1
192.168.13.0/24	255.255.255.0	192.168.8.1
192.168.14.0/24	255.255.255.0	192.168.8.1
192.168.15.0/24	255.255.255.0	192.168.8.1

Below the table is a 'Remove' button. At the bottom, there is a section for 'Equivalent IOS Commands' showing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.9.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.11.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.12.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.13.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.14.0 255.255.255.0 192.168.8.1
Router(config)#ip route 192.168.15.0 255.255.255.0 192.168.8.1
Router(config)#
```

b. router 1

The screenshot shows the configuration window for Router1. The left sidebar has a tree view with 'ROUTING' expanded and 'Static' selected. The main area is titled 'Static Routes' and contains a table with the following entries:

Network	Mask	Next Hop
192.168.1.0/24	255.255.255.0	192.168.6.2
192.168.2.0/24	255.255.255.0	192.168.6.2
192.168.3.0/24	255.255.255.0	192.168.6.2
192.168.4.0/24	255.255.255.0	192.168.6.2
192.168.5.0/24	255.255.255.0	192.168.6.2
192.168.6.0/24	255.255.255.0	192.168.6.2
192.168.7.0/24	255.255.255.0	192.168.6.2
192.168.8.0/24	255.255.255.0	192.168.6.2
192.168.9.0/24	255.255.255.0	192.168.6.2
192.168.10.0/24	255.255.255.0	192.168.6.2
192.168.11.0/24	255.255.255.0	192.168.6.2
192.168.12.0/24	255.255.255.0	192.168.6.2
192.168.13.0/24	255.255.255.0	192.168.6.2
192.168.14.0/24	255.255.255.0	192.168.6.2
192.168.15.0/24	255.255.255.0	192.168.6.2

Below the table is a 'Remove' button. At the bottom, there is a section for 'Equivalent IOS Commands' showing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.9.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.11.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.12.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.13.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.14.0 255.255.255.0 192.168.6.2
Router(config)#ip route 192.168.15.0 255.255.255.0 192.168.6.2
Router(config)#
```


c. router 2

Router2 configuration window showing the Static Routes section. The left sidebar includes GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, INTERFACE, and FastEthernet0/0 through FastEthernet5/0. The main area displays the Static Routes configuration with fields for Network, Mask, and Next Hop, and an Add button. Below these fields is a list of configured static routes:

Network Address	Next Hop
192.168.1.0/24	via 192.168.7.2
192.168.2.0/24	via 192.168.7.2
192.168.3.0/24	via 192.168.7.2
192.168.4.0/24	via 192.168.7.2

Below the list is a Remove button. At the bottom, the Equivalent IOS Commands section shows the following commands:

```

Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.6.1
Router(config)#
Router(config)#
Router(config)#
Router(config)#

```

d. router 3

Router3 configuration window showing the Static Routes section. The left sidebar includes GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, INTERFACE, and FastEthernet0/0 through FastEthernet5/0. The main area displays the Static Routes configuration with fields for Network, Mask, and Next Hop, and an Add button. Below these fields is a list of configured static routes:

Network Address	Next Hop
192.168.1.0/24	via 192.168.7.1
192.168.2.0/24	via 192.168.7.1
192.168.3.0/24	via 192.168.7.1
192.168.4.0/24	via 192.168.7.1

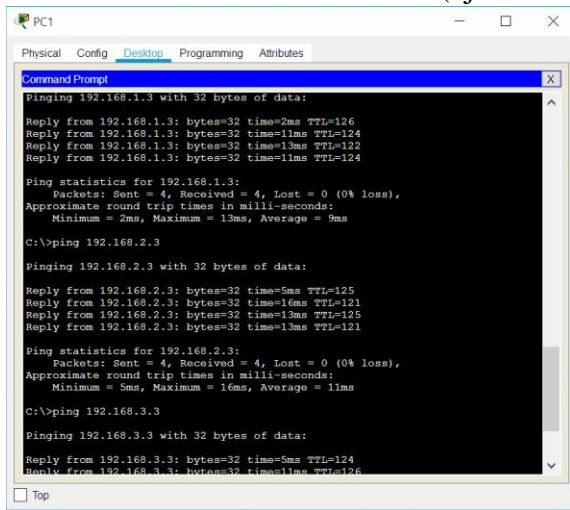
Below the list is a Remove button. At the bottom, the Equivalent IOS Commands section shows the following commands:

```

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.8.2
Router(config)#
Router(config)#
Router(config)#

```


→ Test nomor 4 router statis (uji konektivitas antar PC)



```
PC1
Physical Config Desktop Programming Attributes
Command Prompt
Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=2ms TTL=126
Reply from 192.168.1.3: bytes=32 time=11ms TTL=124
Reply from 192.168.1.3: bytes=32 time=13ms TTL=122
Reply from 192.168.1.3: bytes=32 time=11ms TTL=124

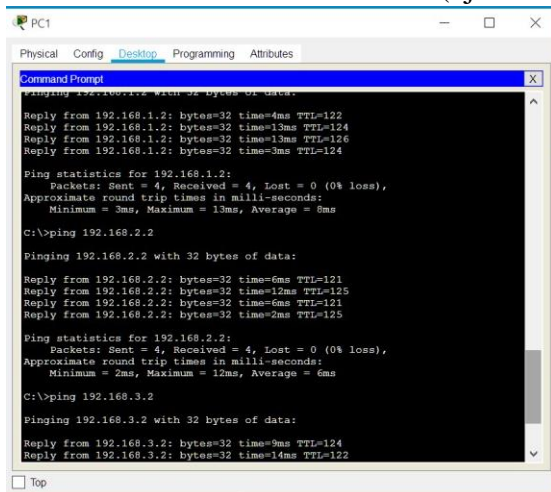
Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 13ms, Average = 9ms
C:\>ping 192.168.2.3

Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=5ms TTL=125
Reply from 192.168.2.3: bytes=32 time=16ms TTL=121
Reply from 192.168.2.3: bytes=32 time=13ms TTL=125
Reply from 192.168.2.3: bytes=32 time=13ms TTL=121

Ping statistics for 192.168.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 16ms, Average = 11ms
C:\>ping 192.168.3.3

Pinging 192.168.3.3 with 32 bytes of data:
Reply from 192.168.3.3: bytes=32 time=5ms TTL=124
Reply from 192.168.3.3: bytes=32 time=11ms TTL=126
```

→ Test nomor 4 router statis (uji konektivitas PC ke server antar router)



```
PC1
Physical Config Desktop Programming Attributes
Command Prompt
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=4ms TTL=122
Reply from 192.168.1.2: bytes=32 time=13ms TTL=124
Reply from 192.168.1.2: bytes=32 time=13ms TTL=126
Reply from 192.168.1.2: bytes=32 time=3ms TTL=124

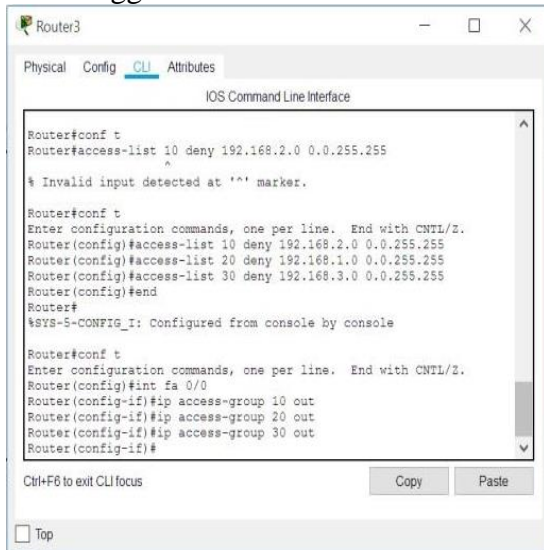
Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 13ms, Average = 8ms
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:
Reply from 192.168.2.2: bytes=32 time=6ms TTL=121
Reply from 192.168.2.2: bytes=32 time=12ms TTL=125
Reply from 192.168.2.2: bytes=32 time=6ms TTL=121
Reply from 192.168.2.2: bytes=32 time=2ms TTL=125

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 12ms, Average = 6ms
C:\>ping 192.168.3.2

Pinging 192.168.3.2 with 32 bytes of data:
Reply from 192.168.3.2: bytes=32 time=9ms TTL=124
Reply from 192.168.3.2: bytes=32 time=14ms TTL=122
```

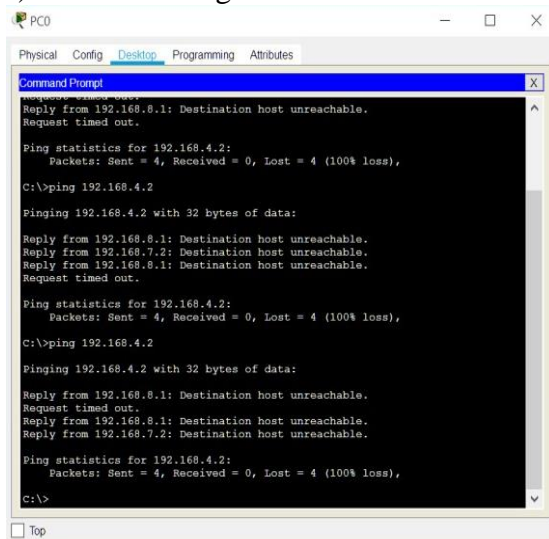
5. Menggunakan access list untuk membatasi 1 PC saja yang dapat mengakses server web



The screenshot shows the CLI of Router3. The configuration includes three access lists (10, 20, 30) that deny traffic from specific IP ranges to the 0.0.255.255 destination. Additionally, three IP access groups (10, 20, 30) are configured on the fa 0/0 interface to apply these access lists to outgoing traffic.

```
Router3#conf t
Router3#access-list 10 deny 192.168.2.0 0.0.255.255
Router3#
% Invalid input detected at '^' marker.
Router3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router3(config)#access-list 10 deny 192.168.2.0 0.0.255.255
Router3(config)#access-list 20 deny 192.168.1.0 0.0.255.255
Router3(config)#access-list 30 deny 192.168.3.0 0.0.255.255
Router3(config)#end
Router3#
%SYS-5-CONFIG_I: Configured from console by console
Router3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router3(config)#int fa 0/0
Router3(config-if)#ip access-group 10 out
Router3(config-if)#ip access-group 20 out
Router3(config-if)#ip access-group 30 out
Router3(config-if)#
```

a) Test akses dengan PC 0



The screenshot shows the Command Prompt of PC0. It displays the results of three ping attempts to 192.168.4.2. Each attempt shows a 100% loss of packets, indicating that the traffic is blocked by the access list on the router.

```
PC0
Command Prompt
C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Request timed out.

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Reply from 192.168.8.1: Destination host unreachable.
Request timed out.

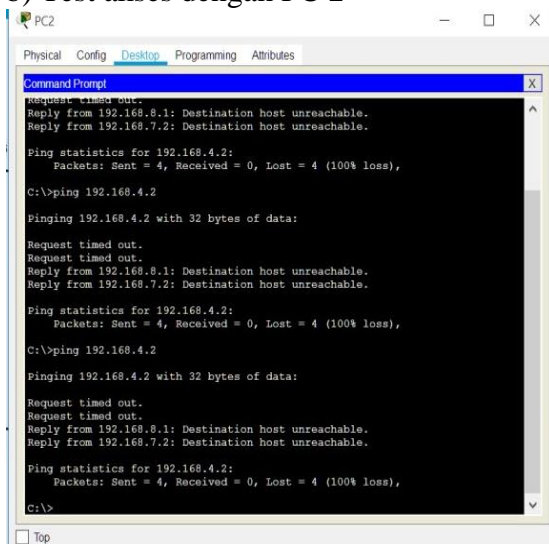
Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Request timed out.

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

b) Test akses dengan PC 2



The screenshot shows the Command Prompt of PC2. It displays the results of three ping attempts to 192.168.4.2. Each attempt shows a 100% loss of packets, indicating that the traffic is blocked by the access list on the router.

```
PC2
Command Prompt
C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Request timed out.

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Request timed out.

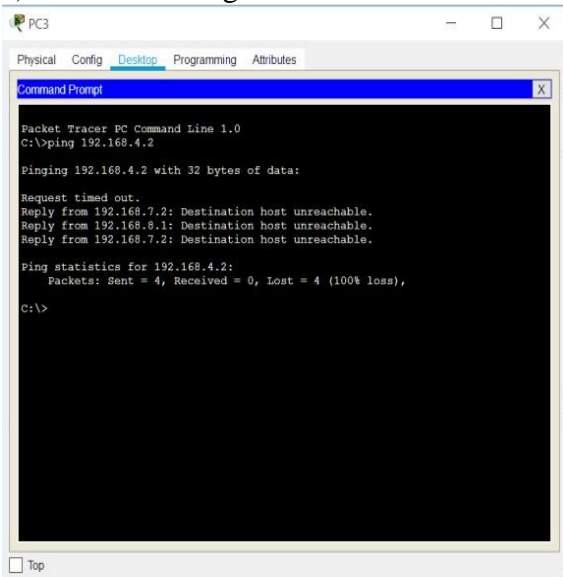
Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.4.2
Pinging 192.168.4.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Request timed out.

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

c) Test akses dengan PC 3



The screenshot shows a Packet Tracer PC Command Line window for PC3. The user has entered the command 'ping 192.168.4.2'. The output shows that the ping failed with a 100% loss rate. The statistics indicate that 4 packets were sent, 0 were received, and 4 were lost.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.4.2

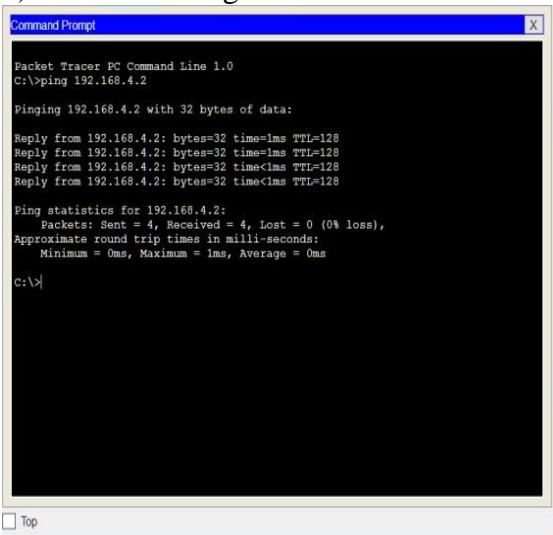
Pinging 192.168.4.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.7.2: Destination host unreachable.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

d) Test akses dengan PC 1



The screenshot shows a Packet Tracer PC Command Line window for PC1. The user has entered the command 'ping 192.168.4.2'. The output shows that the ping was successful with a 0% loss rate. The statistics indicate that 4 packets were sent, 4 were received, and 0 were lost. The approximate round trip times are also displayed.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.4.2

Pinging 192.168.4.2 with 32 bytes of data:

Reply from 192.168.4.2: bytes=32 time=1ms TTL=128
Reply from 192.168.4.2: bytes=32 time=1ms TTL=128
Reply from 192.168.4.2: bytes=32 time=1ms TTL=128
Reply from 192.168.4.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.4.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```