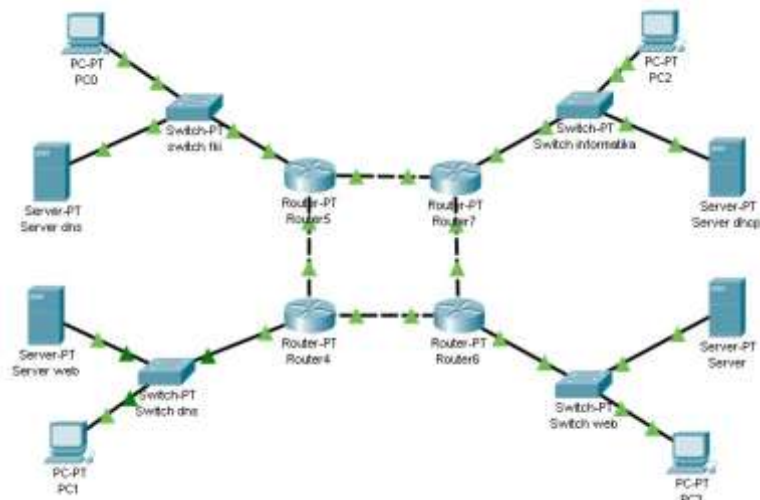


Nama : Naufal Rusada

NIM : L200170034

Kelas : A

No . 1



No. 2

Konfigurasi PC

PC1

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.20.1
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.10.1
DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address:
Link Local Address: FE80:201:43FF:FE98:E1E9
IPv6 Gateway:
IPv6 DNS Server:
802.1X
☐ Use 802.1X Security
Authentication: MD5
Username:
Password:
☐ Top

PC0

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.10.2
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.10.1
DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address:
Link Local Address: FE80:201:F8FF:FE17:7CAE
IPv6 Gateway:
IPv6 DNS Server:
802.1X
☐ Use 802.1X Security
Authentication: MD5
Username:
Password:
☐ Top

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.20.1
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.10.1
DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address:
Link Local Address: FE80:201:A3FF:FE4B:D4D1
IPv6 Gateway:
IPv6 DNS Server:
802.1X
☐ Use 802.1X Security
Authentication: MD5
Username:
Password:
☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.40.1
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.10.1
DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address:
Link Local Address: FE80:20D:5AFF:FE9C:D6B
IPv6 Gateway:
IPv6 DNS Server:
802.1X
☐ Use 802.1X Security
Authentication: MD5
Username:
Password:
☐ Top

Konfigurasi Router

Router 5

Router5

Physical Config **CLI** Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status: ☒ On
Bandwidth: 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
MAC Address: 00E0.A375.51B0

IP Configuration

IP Address: 192.168.10.1
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
```

☐ Top

Router5

Physical Config **CLI** Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status: ☒ On
Bandwidth: 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
MAC Address: 00E0.2F74.3CDD

IP Configuration

IP Address: 192.168.20.1
Subnet Mask: 255.255.255.0

Tx Ring Limit: 10

Equivalent IOS Commands

```
Router configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router

6

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0000.FF11.010E

IP Configuration

IP Address 192.168.10.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.A362.1832

IP Configuration

IP Address 192.168.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.4325.2444

IP Configuration

IP Address 192.168.30.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

MAC Address 0001.4325.9010

IP Configuration

IP Address 192.168.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet4/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router 7

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000C 85C8 8488

IP Configuration

IP Address 192.168.10.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#terminal
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0006 2AC2 20C8

IP Configuration

IP Address 192.168.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#terminal
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0000 D399 7771

IP Configuration

IP Address 192.168.30.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#terminal
Router(config)#interface FastEthernet5/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

MAC Address 0007 ECDD 018B

IP Configuration

IP Address 192.168.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#terminal
Router(config)#interface FastEthernet5/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router 4

Router4

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0007 EC52 C191

IP Configuration

IP Address 192.168.10.1

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)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
```

☐ Tip

Router4

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060 4714 0B70

IP Configuration

IP Address 192.168.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
```

☐ Tip

Router4

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060 5C80 37AB

IP Configuration

IP Address 192.168.30.1

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 FastEthernet6/0
Router(config-if)#
Router(config-if)#exit
```

☐ Tip

Router4

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

MAC Address 0004 9A5A 5D51

IP Configuration

IP Address 192.168.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

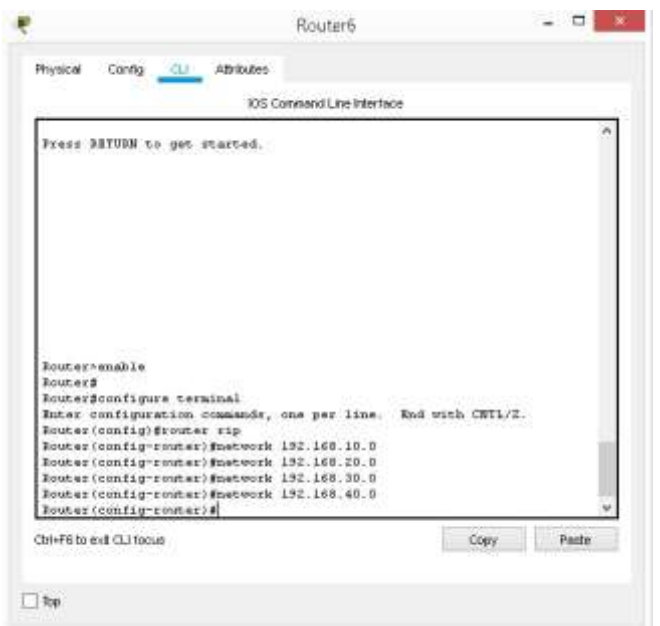
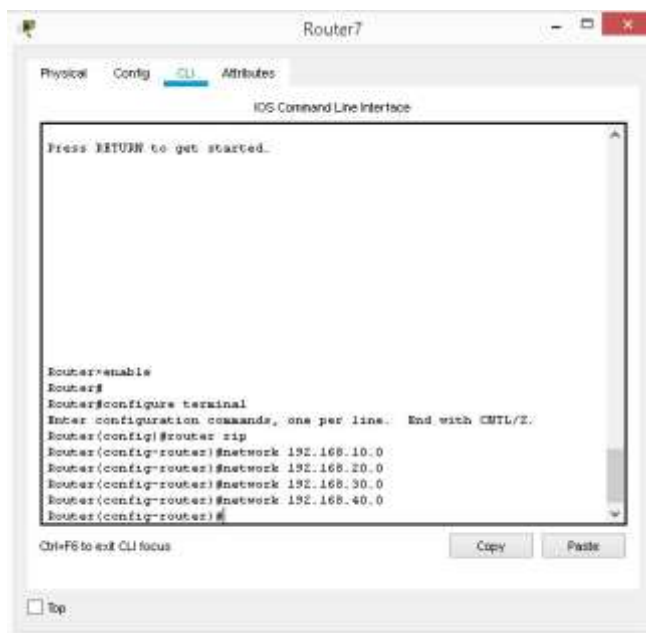
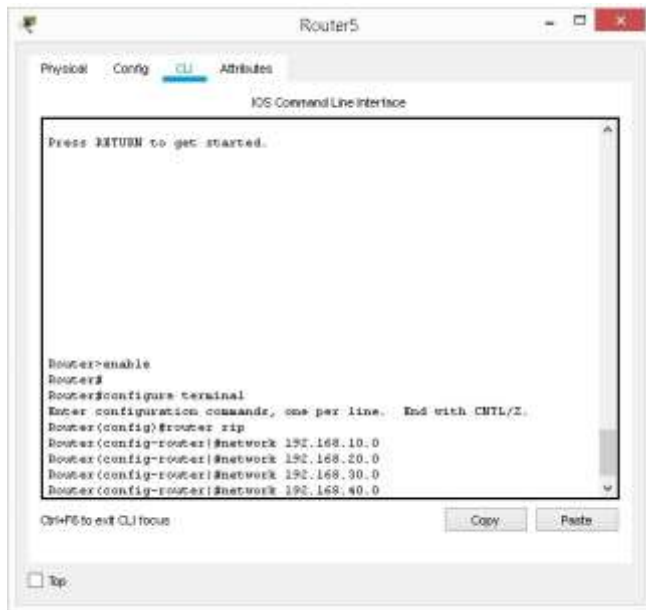
Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
Router(config-if)#exit
```

☐ Tip

No. 3

Route Dinamis



Uji Koneksi antar PC

The screenshot shows a Windows command prompt window titled "PC0". The menu bar includes "File", "Edit", "Format", "Programs", and "About". The command prompt shows the following commands and their outputs:

```

C:\>ping 192.168.20.1

Pinging 192.168.20.1 with 32 bytes of data:

Reply from 192.168.20.1: bytes=32 time=1ms TTL=255
Reply from 192.168.20.1: bytes=32 time=1ms TTL=255
Reply from 192.168.20.1: bytes=32 time=1ms TTL=255
Reply from 192.168.20.1: bytes=32 time=1ms TTL=255

Ping statistics for 192.168.20.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.30.1

Pinging 192.168.30.1 with 32 bytes of data:

Reply from 192.168.30.1: bytes=32 time=1ms TTL=255
Reply from 192.168.30.1: bytes=32 time=1ms TTL=255
Reply from 192.168.30.1: bytes=32 time=1ms TTL=255
Reply from 192.168.30.1: bytes=32 time=1ms TTL=255

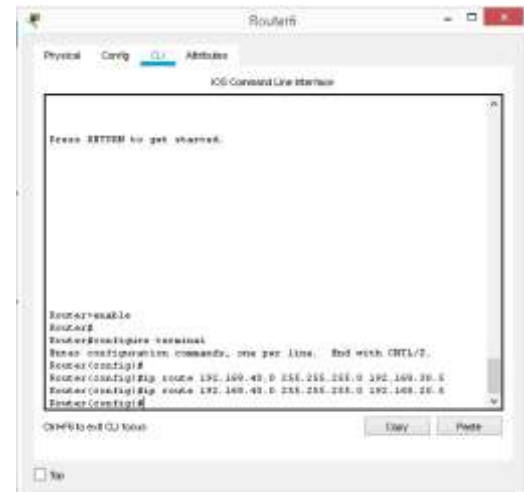
Ping statistics for 192.168.30.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.40.1

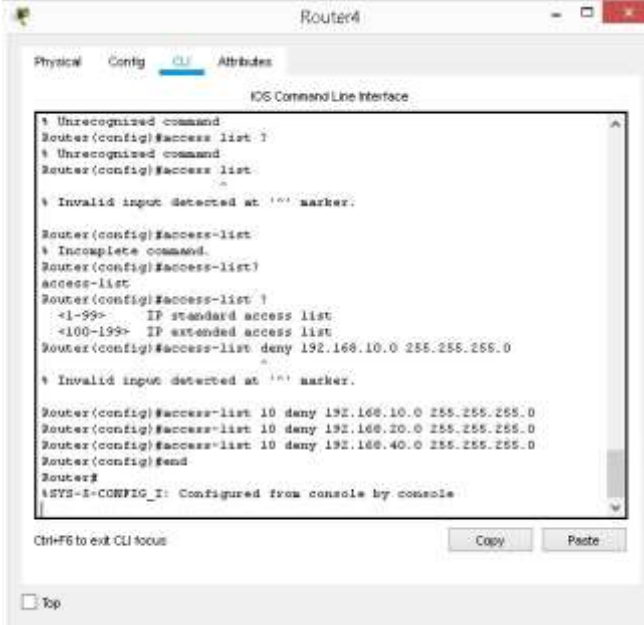
Pinging 192.168.40.1 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.40.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  
```

[illegible]

No. 5



```
Router4
Physical Config CLI Attributes
IOS Command Line Interface
% Unrecognized command
Router(config)#access list 1
% Unrecognized command
Router(config)#access list
% Invalid input detected at '^' marker.

Router(config)#access-list
% Incomplete command.
Router(config)#access-list)
access-list
Router(config)#access-list ?
  <1-99>      IP standard access list
  <100-199>   IP extended access list
Router(config)#access-list deny 192.168.10.0 255.255.255.0
% Invalid input detected at '^' marker.

Router(config)#access-list 10 deny 192.168.10.0 255.255.255.0
Router(config)#access-list 10 deny 192.168.20.0 255.255.255.0
Router(config)#access-list 10 deny 192.168.40.0 255.255.255.0
Router(config)#end
Router#
SYS-I-CNFIG_I: Configured from console by console

Ctrl+F6 to exit CLI focus
Copy Paste
Top
```

Disini semua akses dari 192.168.10, 192.168.20, 192.168.40 tidak diijinkan melewati router 4 sehingga hanya PC 1 yang bisa mengakses server web