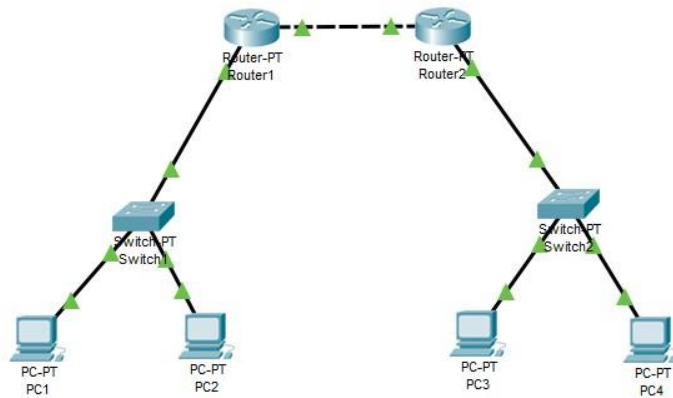


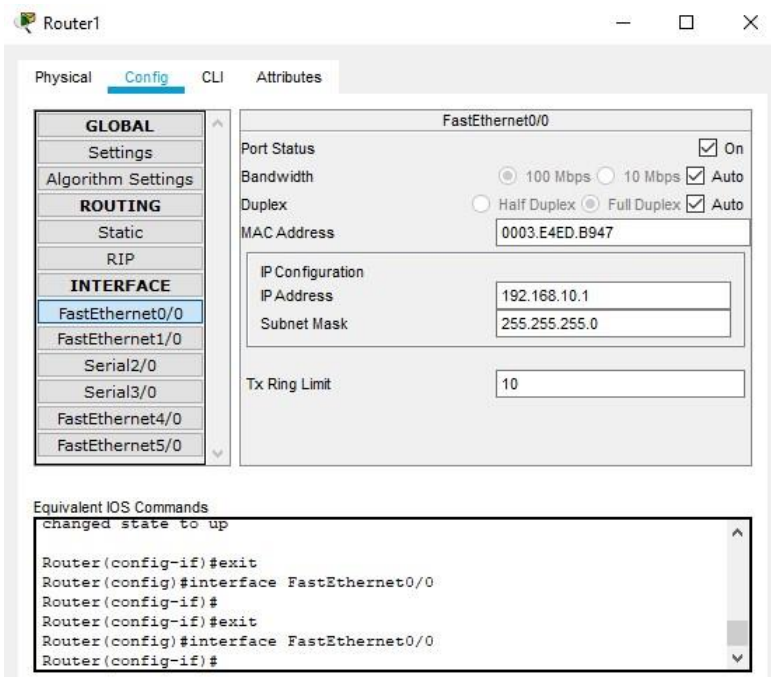
NAMA : ROSSANTI KUSUMADEWI  
NIM : L200170092  
KELAS : B  
MODUL : 7

## Kegiatan 1. Konfigurasi Access List

### 1. Membuat desain topologi jaringan



### 2. Memberikan IP Address untuk setiap router, masing masing di fa 0/0 dan fa 1/0 sesuai dengan di modul. Berikut contoh pada fa 0/0 di Router 1



### 3. Memberikan IP Address untuk setiap PC

PC1

Physical

Config

Desktop

Programming

Attributes

☐ DHCP
 ☒ Static

IP Address192.168.110.3

Subnet Mask255.255.255.0

Default Gateway192.168.110.254

DNS Server0.0.0.0

PC2

Physical

Config

Desktop

Programming

Attributes

☐ DHCP
 ☒ Static

IP Address192.168.110.4

Subnet Mask255.255.255.0

Default Gateway192.168.110.254

DNS Server0.0.0.0

PC3

Physical

Config

Desktop

Programming

Attributes

☐ DHCP
 ☒ Static

IP Address192.168.120.3

Subnet Mask255.255.255.0

Default Gateway192.168.120.254

DNS Server0.0.0.0

PC4

Physical

Config

Desktop

Programming

Attributes

☐ DHCP
 ☒ Static

IP Address192.168.120.4

Subnet Mask255.255.255.0

Default Gateway192.168.120.254

DNS Server0.0.0.0

#### 4. Melakukan routing dengan protocol RIP pada kedua jaringan

Router1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```

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

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.110.0
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

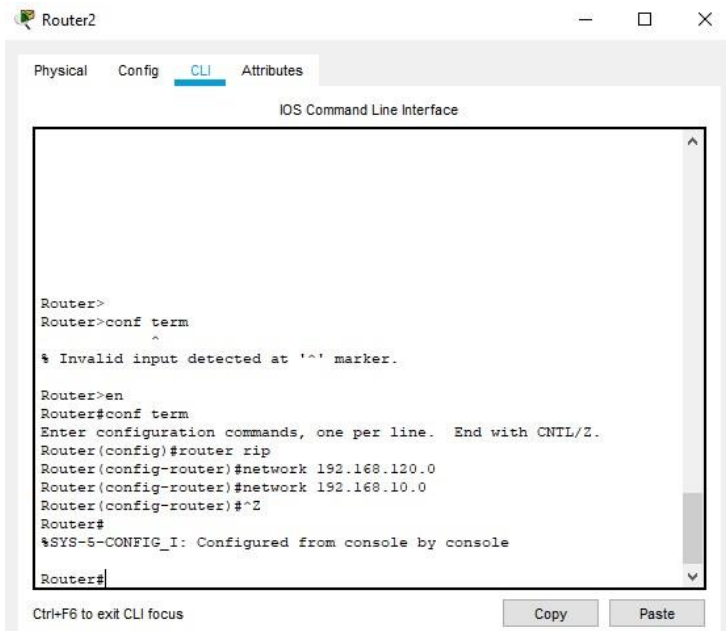
Router#

```

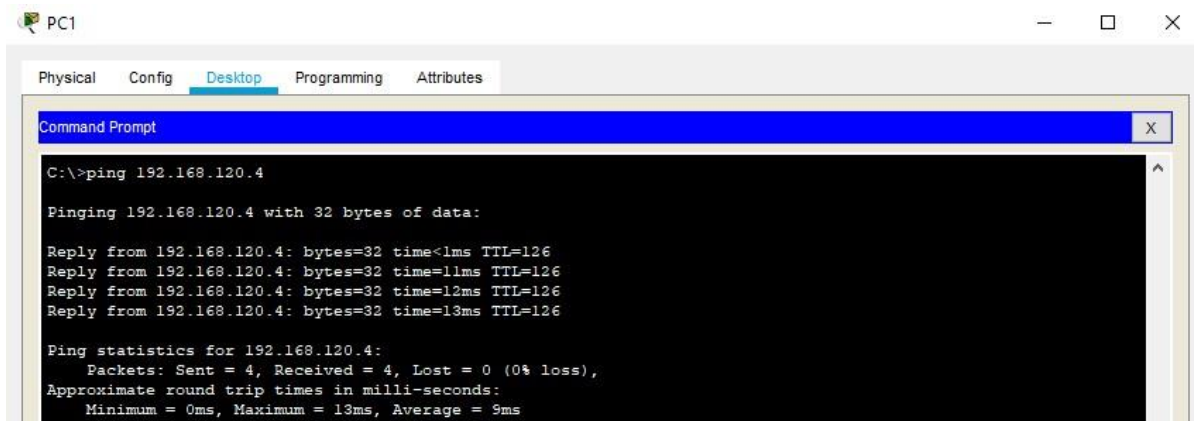
Ctrl+F6 to exit CLI focus

Copy

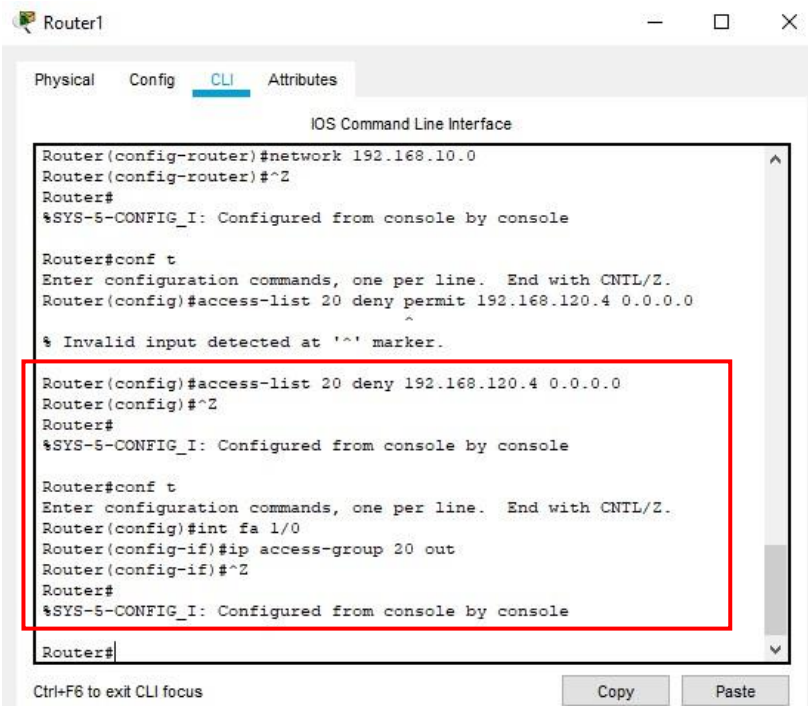
Paste



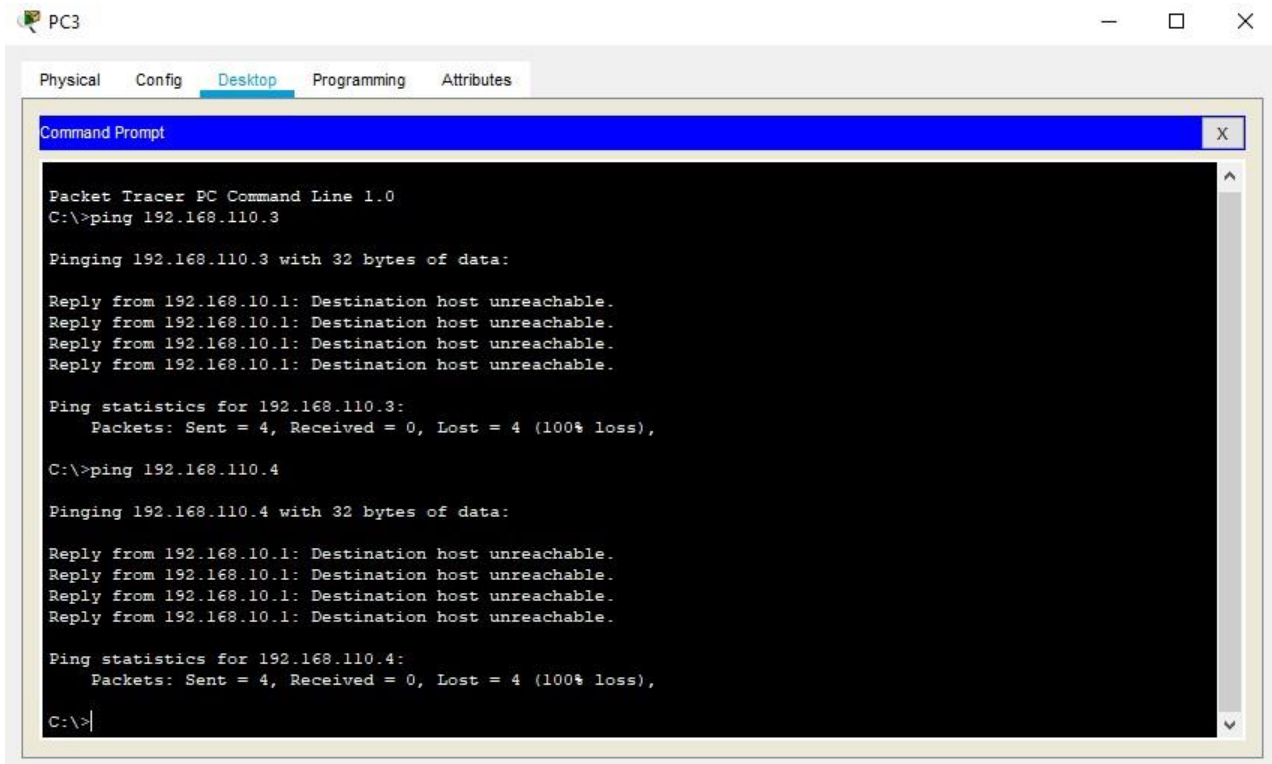
5. Untuk mengetest routing berhasil, ping PC1 ke PC4



6. Cara memblokir akses



## 7. Tes koneksi dari PC3 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC Command Line window for PC3. The 'Desktop' tab is active, and a Command Prompt is open. The user has entered two ping commands: 'ping 192.168.110.3' and 'ping 192.168.110.4'. Both commands result in 'Destination host unreachable' replies and a '100% loss' status.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.110.3

Pinging 192.168.110.3 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 192.168.110.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

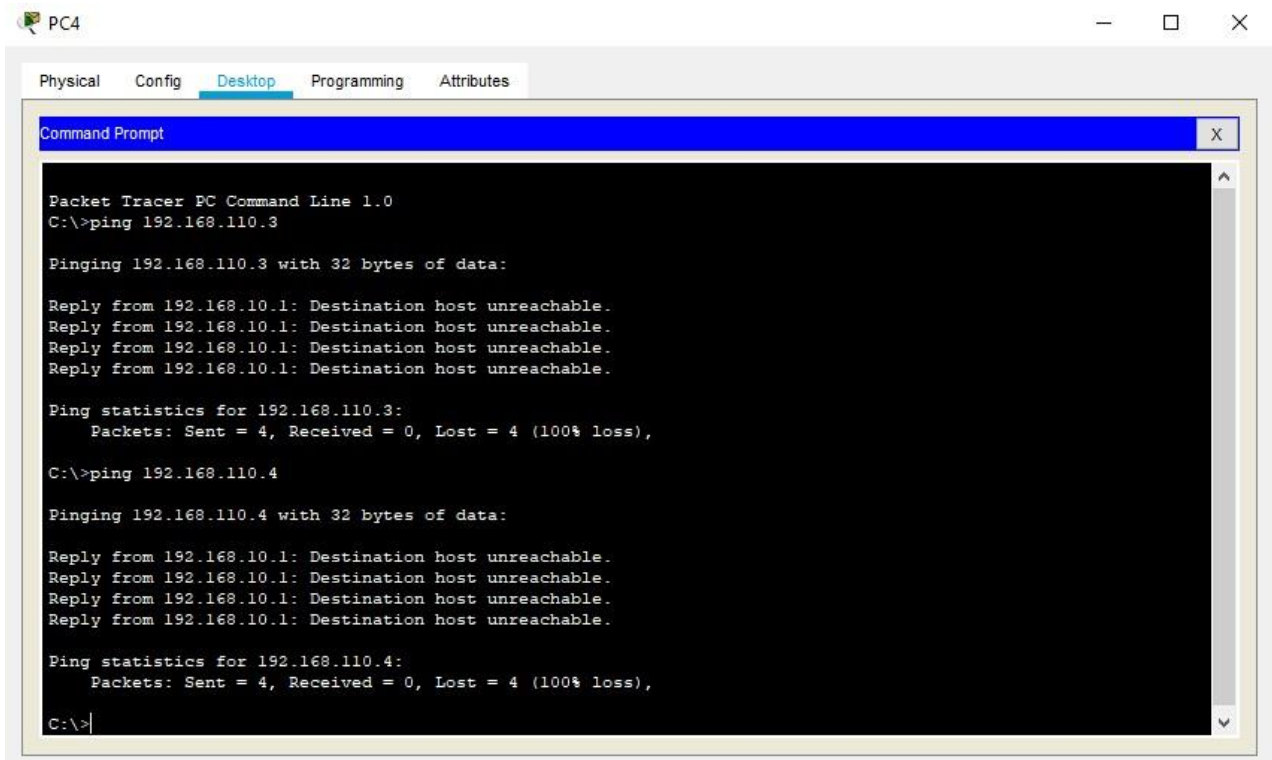
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Destination host unreachable menunjukkan bahwa akses dari PC3 ke PC1 maupun PC2 sudah ter blokir

## 8. Tes koneksi dari PC4 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC Command Line window for PC4. The 'Desktop' tab is active, and a Command Prompt is open. The user has entered two ping commands: 'ping 192.168.110.3' and 'ping 192.168.110.4'. Both commands result in 'Destination host unreachable' replies and a '100% loss' status.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.110.3

Pinging 192.168.110.3 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 192.168.110.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.110.4

Pinging 192.168.110.4 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.

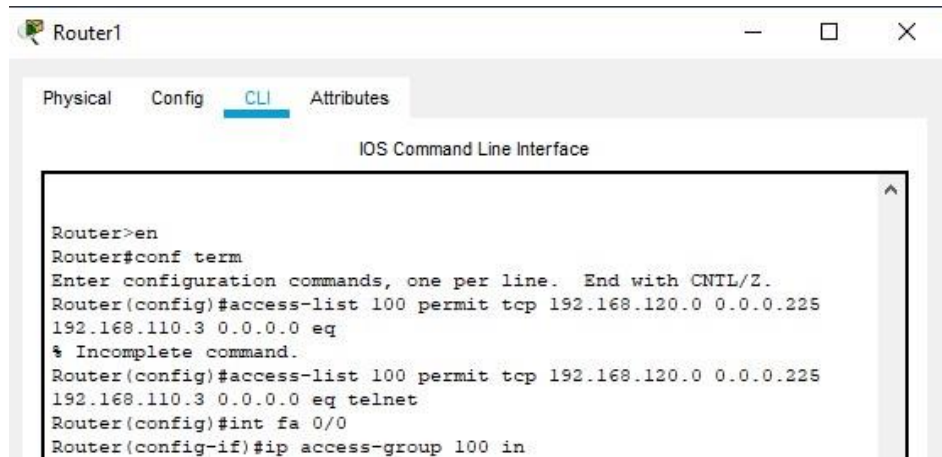
Ping statistics for 192.168.110.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Destination host unreachable menunjukkan bahwa akses dari PC4 ke PC1 maupun PC2 sudah ter blokir

## Kegiatan 2. Kegiatan Extended Access List

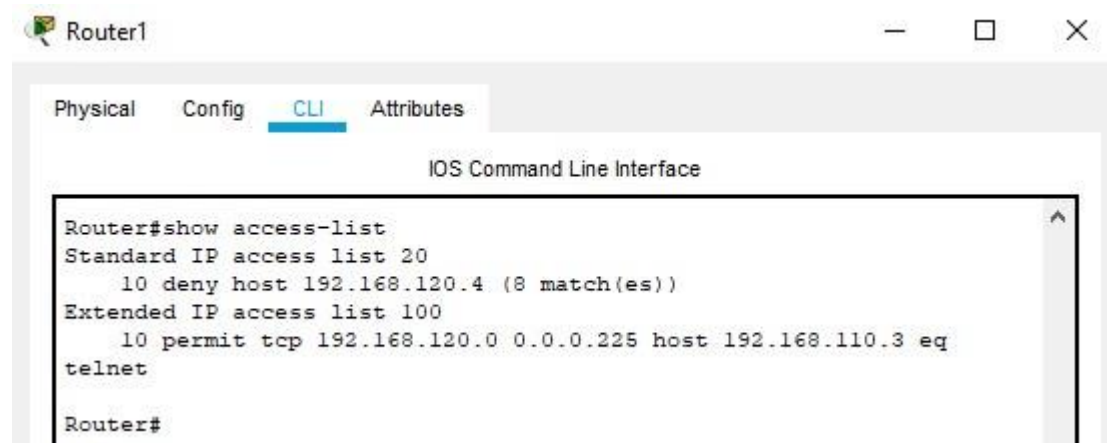
1. Konfigurasi mengizinkan paket telnet dari semua host yang ada di jaringan 192.168.120 ke host 192.168.110.3



The screenshot shows the CLI of Router1 with the following commands and output:

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.225
192.168.110.3 0.0.0.0 eq
% Incomplete command.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.225
192.168.110.3 0.0.0.0 eq telnet
Router(config)#int fa 0/0
Router(config-if)#ip access-group 100 in
```

2. Melihat hasil konfigurasi



The screenshot shows the CLI of Router1 with the following commands and output:

```
Router#show access-list
Standard IP access list 20
  10 deny host 192.168.120.4 (8 match(es))
Extended IP access list 100
  10 permit tcp 192.168.120.0 0.0.0.225 host 192.168.110.3 eq
telnet
Router#
```