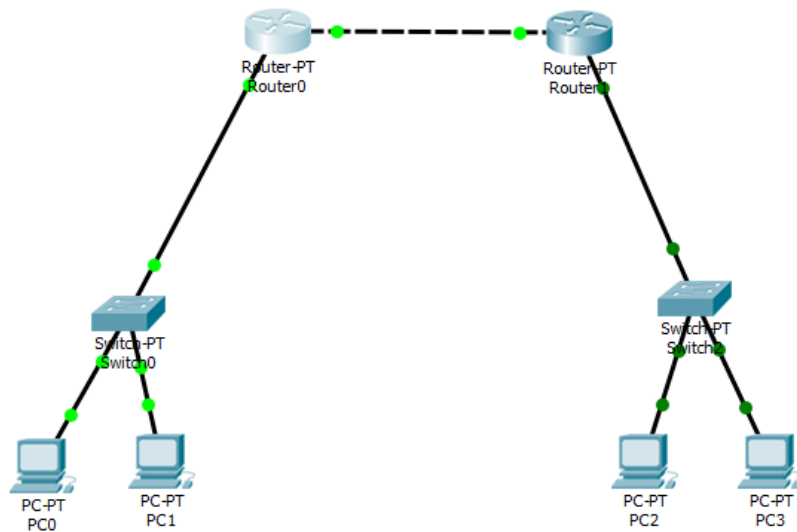


Nama : FIDA AMY NURDIANA AFIKOH

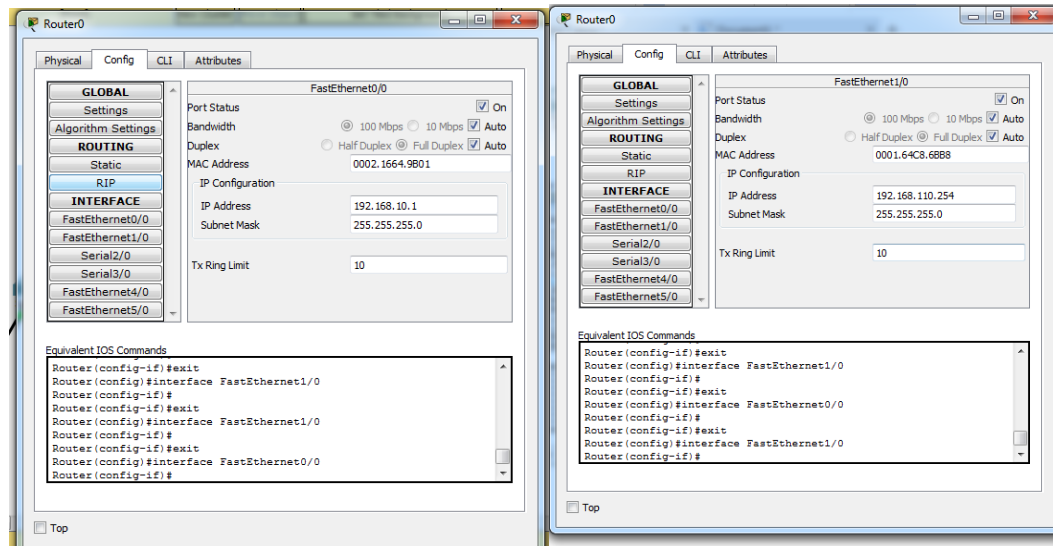
NIM : L200170075

Kelas : B

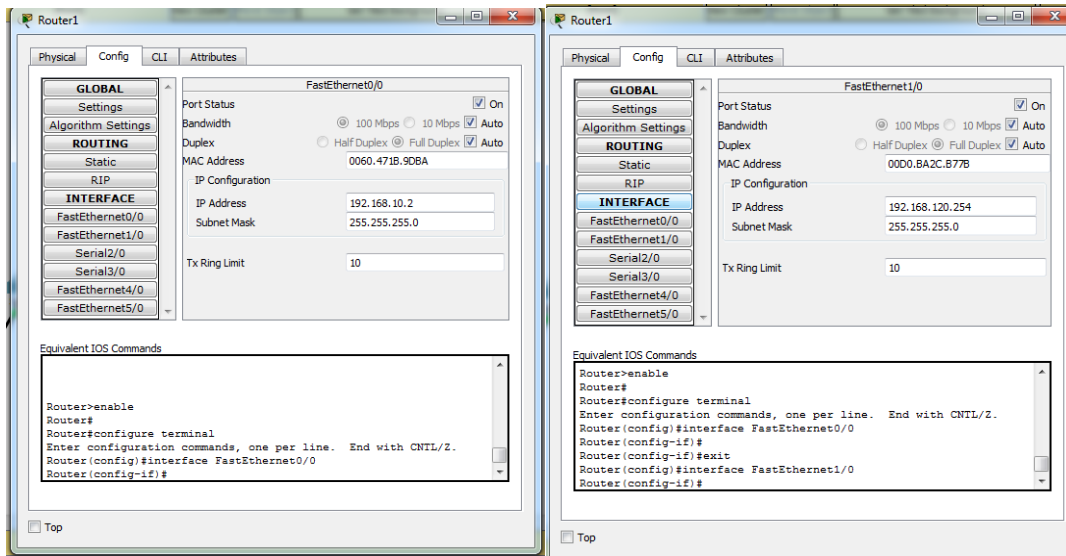
Modul : 8



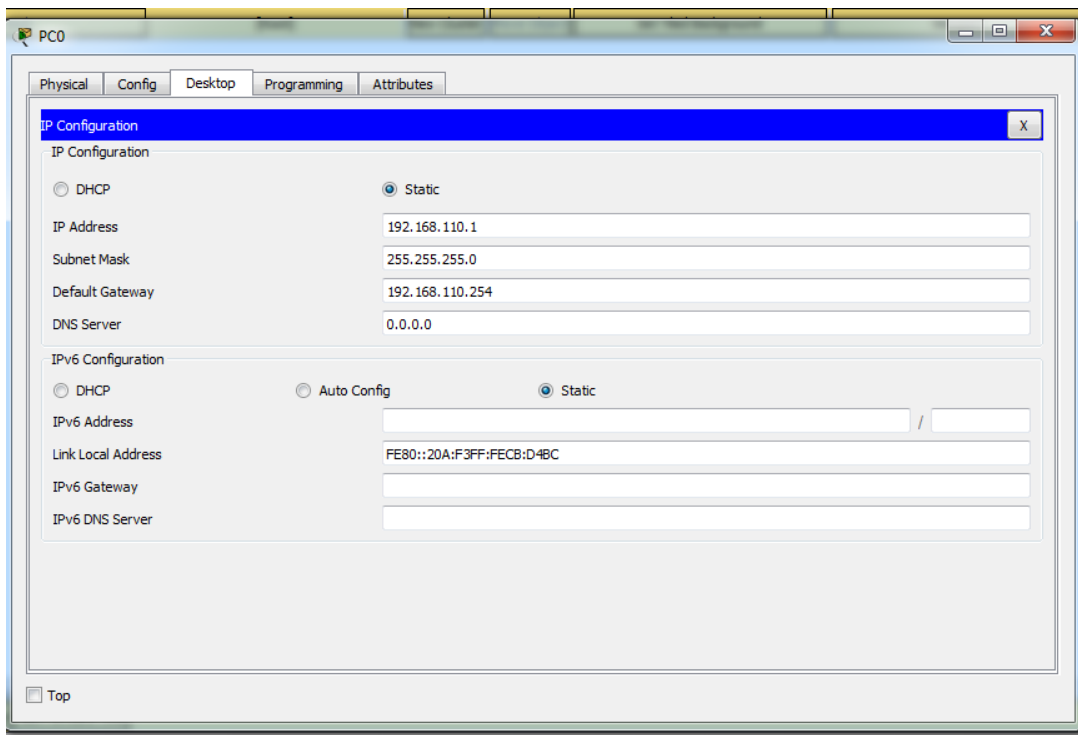
Router 0



Router 1



PC 0



PC1

PC1

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.110.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.110.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FE38:6C5D

IPv6 Gateway

IPv6 DNS Server

Top

PC2

PC2

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.120.1

Subnet Mask 255.255.255.0

Default Gateway 192.168.120.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::250:FFF:FE47:3AE6

IPv6 Gateway

IPv6 DNS Server

Top

PC3

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.120.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.120.254

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::260:3EFF:FE88:7B32

IPv6 Gateway:

IPv6 DNS Server:

Top

routing

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```

Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
no network 192.168.110.0
Router(config-router)#network 192.168.110.0
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config)#router rip
Router(config-router)#

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```

C 192.168.10.0/24 is directly connected, FastEthernet0/0
C 192.168.120.0/24 is directly connected, FastEthernet1/0

Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.120.0
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
no network 192.168.110.0
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet1/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#

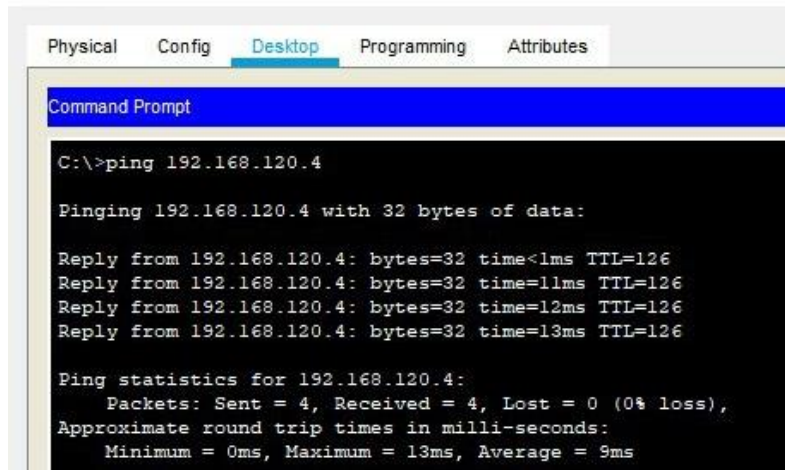
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

1. Untuk mengetest routing berhasil, ping PC1 ke PC4



The screenshot shows a Windows Command Prompt window with the following text:

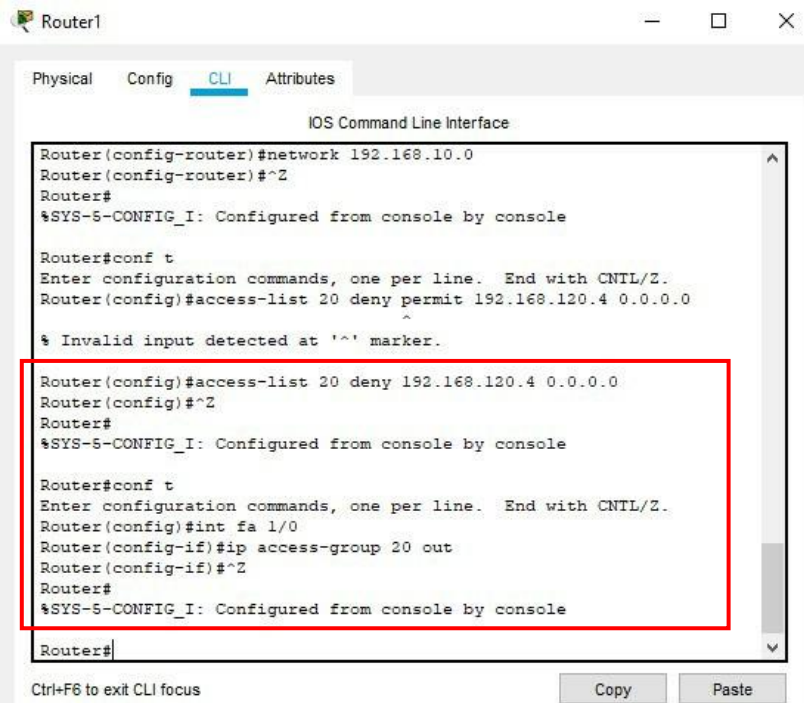
```
C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:

Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
Reply from 192.168.120.4: bytes=32 time=11ms TTL=126
Reply from 192.168.120.4: bytes=32 time=12ms TTL=126
Reply from 192.168.120.4: bytes=32 time=13ms TTL=126

Ping statistics for 192.168.120.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 13ms, Average = 9ms
```

2. Cara memblokir akses



The screenshot shows a Cisco Router CLI window with the following text:

```
Router1
Physical Config CLI Attributes
IOS Command Line Interface
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#conf t
Enter configuration commands, one per line. End with CNIL/Z.
Router(config)#access-list 20 deny permit 192.168.120.4 0.0.0.0
^
% Invalid input detected at '^' marker.

Router(config)#access-list 20 deny 192.168.120.4 0.0.0.0
Router(config)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

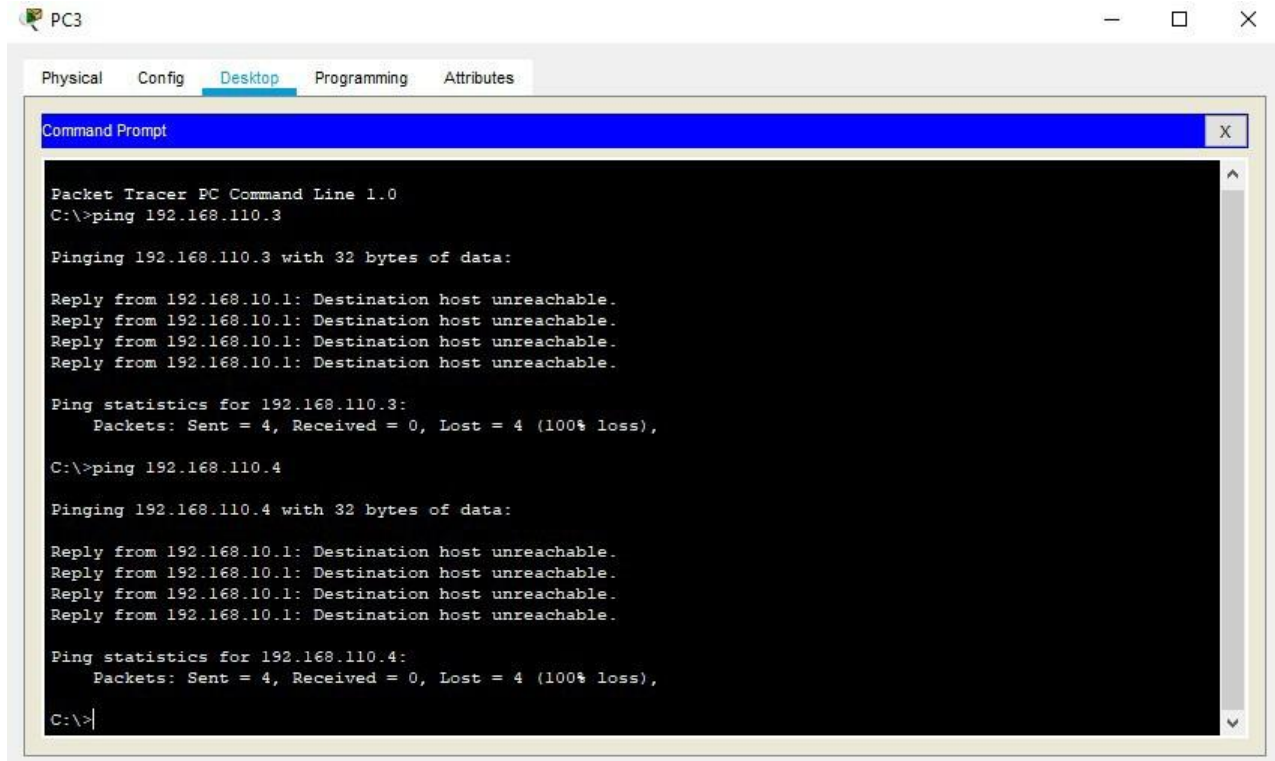
Router#conf t
Enter configuration commands, one per line. End with CNIL/Z.
Router(config)#int fa 1/0
Router(config-if)#ip access-group 20 out
Router(config-if)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste

3. Tes koneksi dari PC3 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC window for PC3. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the results of two ping commands. The first command is 'ping 192.168.110.3', which results in four 'Destination host unreachable' replies and a 100% loss of packets. The second command is 'ping 192.168.110.4', which also results in four 'Destination host unreachable' replies and a 100% loss of packets.

```
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:

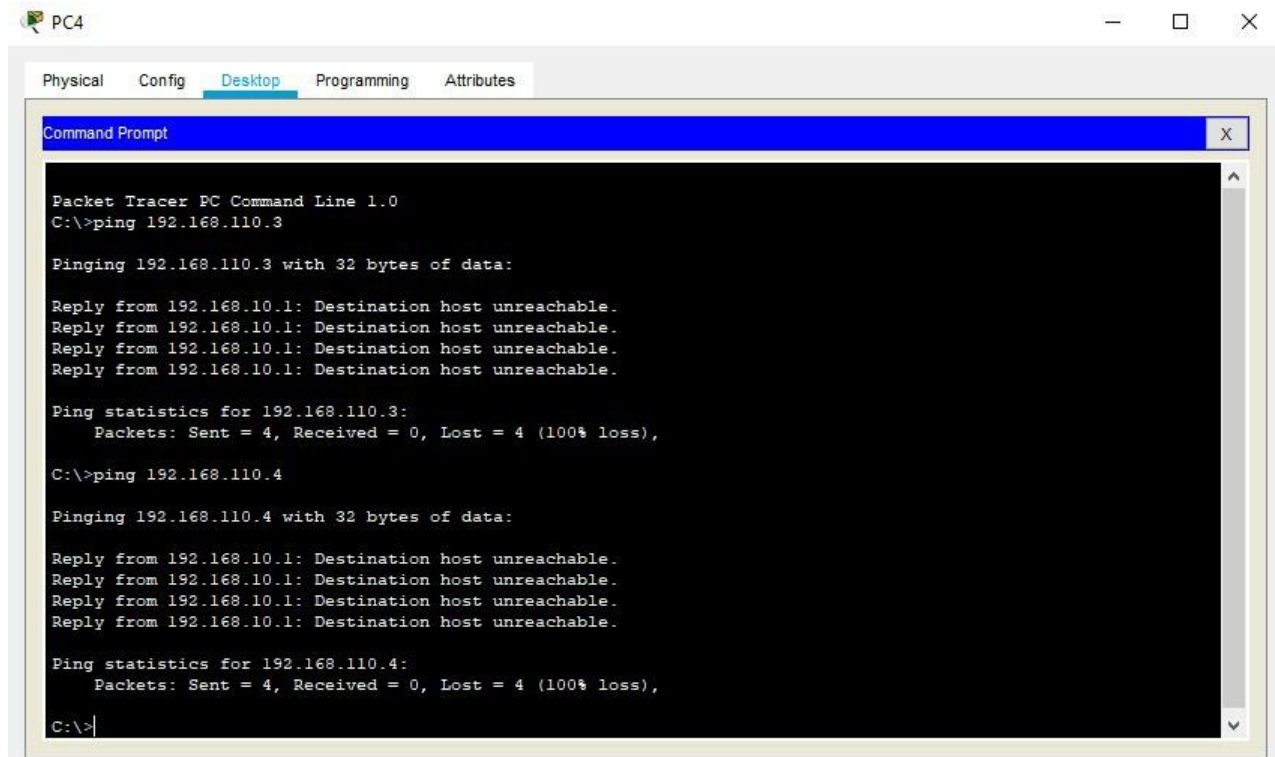
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

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

4. Tes koneksi dari PC4 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC window for PC4. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the results of two ping commands. The first command is 'ping 192.168.110.3', which results in four 'Destination host unreachable' replies and a 100% loss of packets. The second command is 'ping 192.168.110.4', which also results in four 'Destination host unreachable' replies and a 100% loss of packets.

```
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:

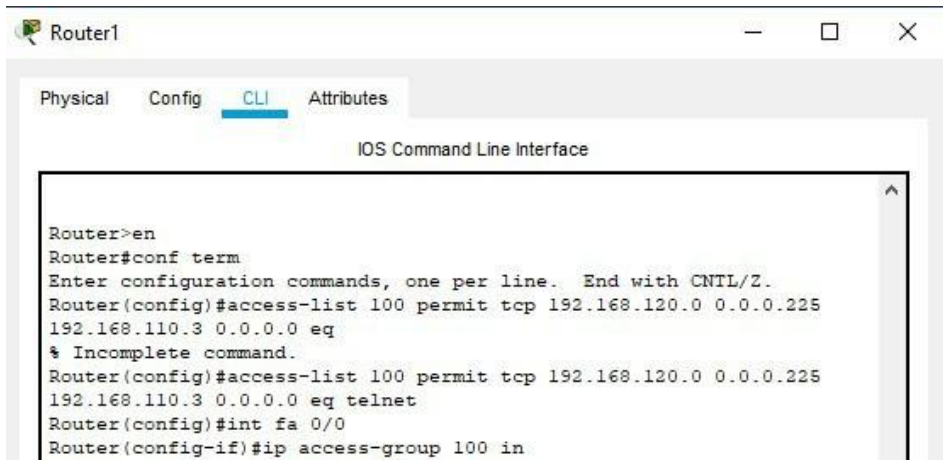
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

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

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



The screenshot shows a window titled 'Router1' with tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'CLI' tab is active, displaying the 'IOS Command Line Interface'. The terminal output shows the following commands and responses:

```
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 same 'Router1' window with the 'CLI' tab active. The terminal output shows the command 'show access-list' and its results:

```
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#
```

