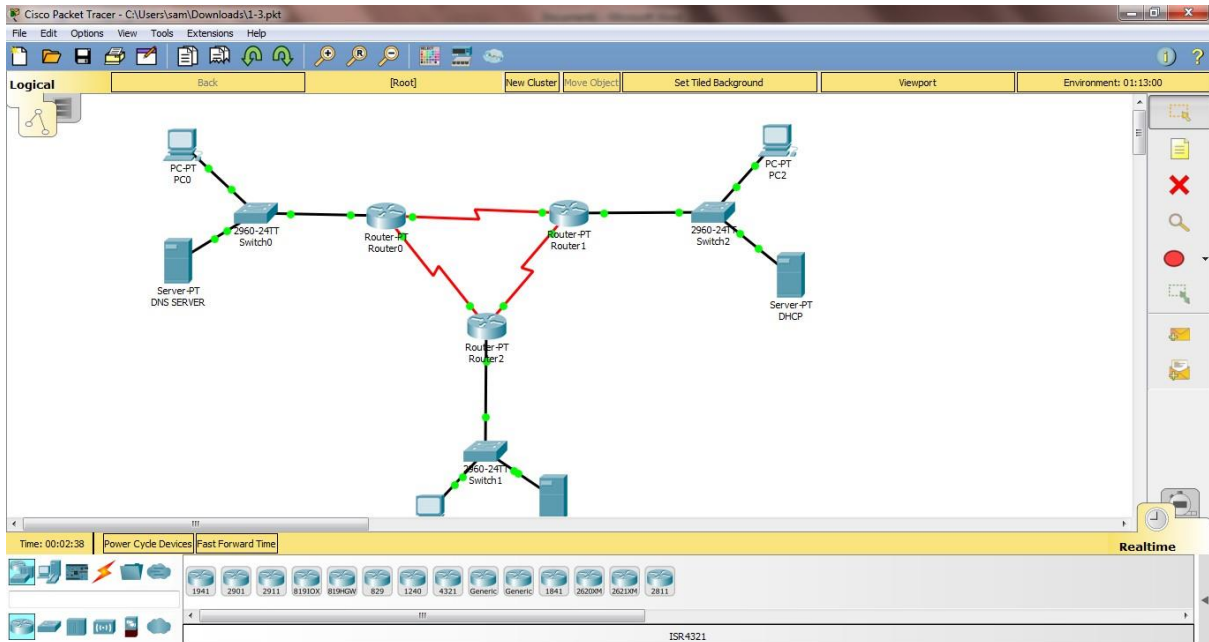


Nama : Rossanti Kusumadewi
NIM : L200170092
Kelas : B

1. Buatlah topologi jaringan seperti pada Gambar 1, menggunakan router seri generic



2. Lakukan konfigurasi pengalamatan IP terhadap ROUTER 1,2,3, PC 1,2,3,!

>router 0

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet0/0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex

☒ Auto

MAC Address

0030.F204.7606

IP Configuration

IP Address

192.168.10.1

Subnet Mask

255.255.255.0

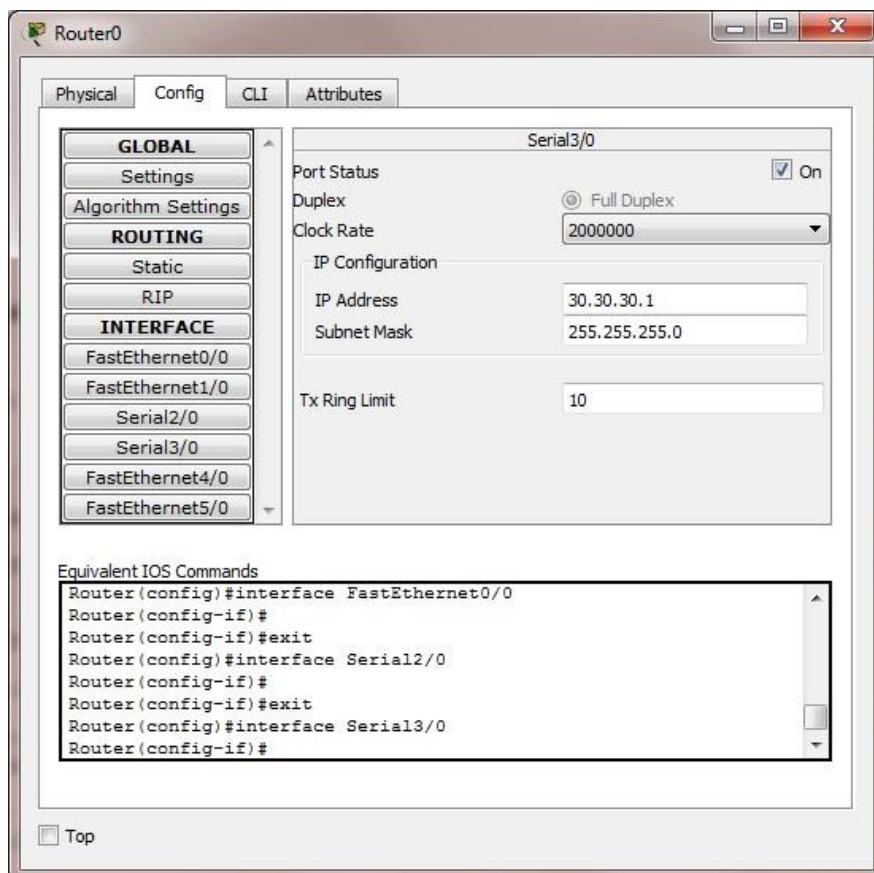
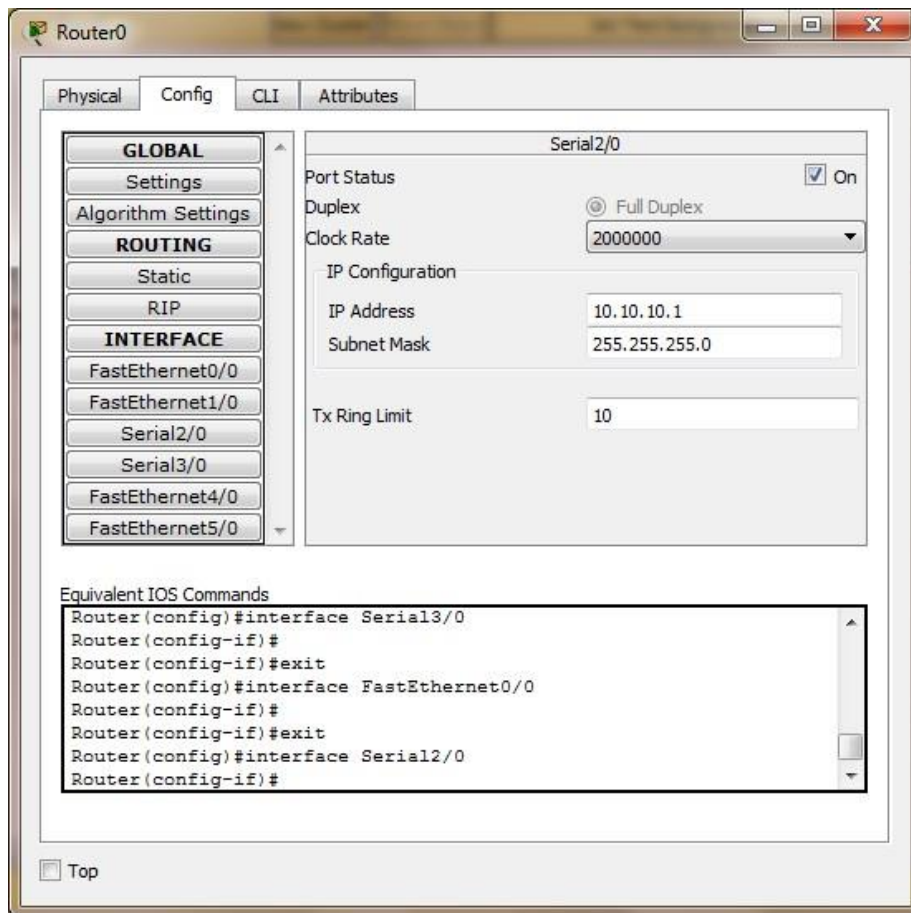
Tx Ring Limit

10

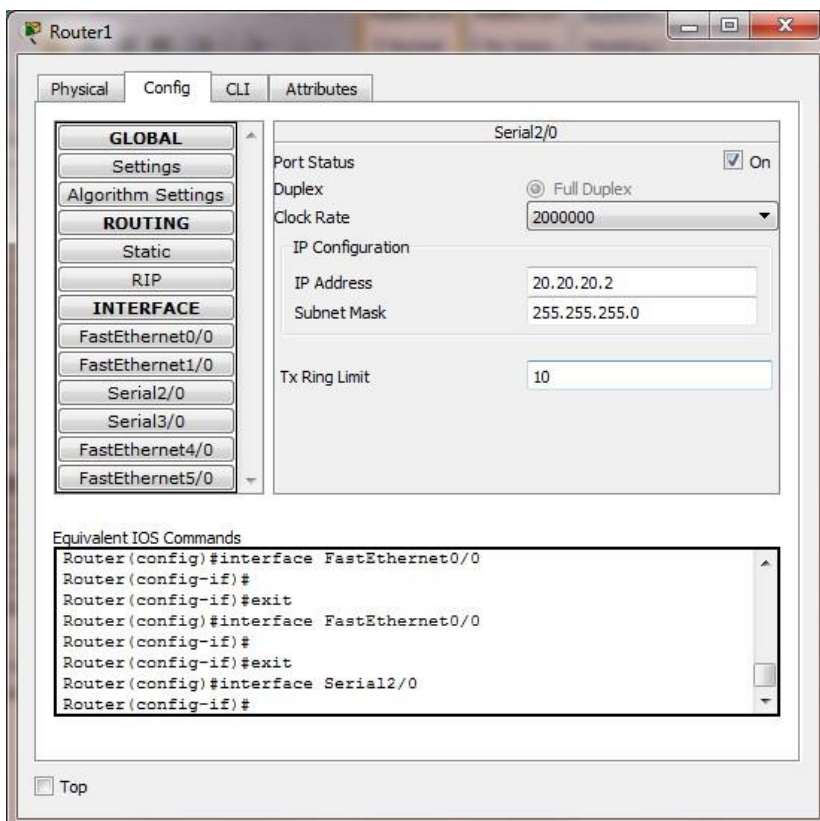
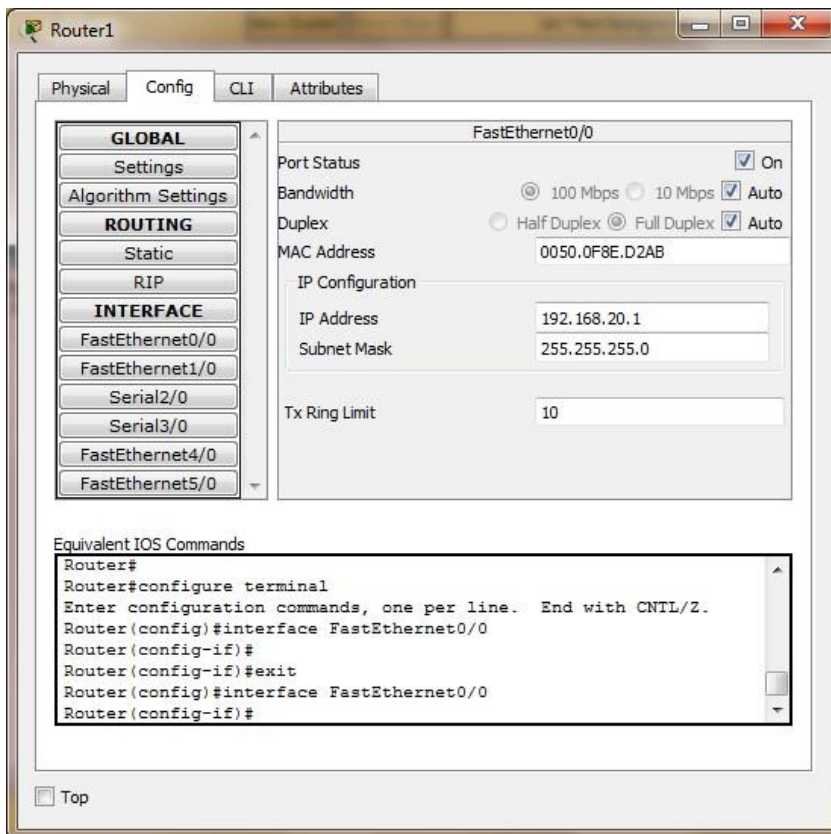
Equivalent IOS Commands

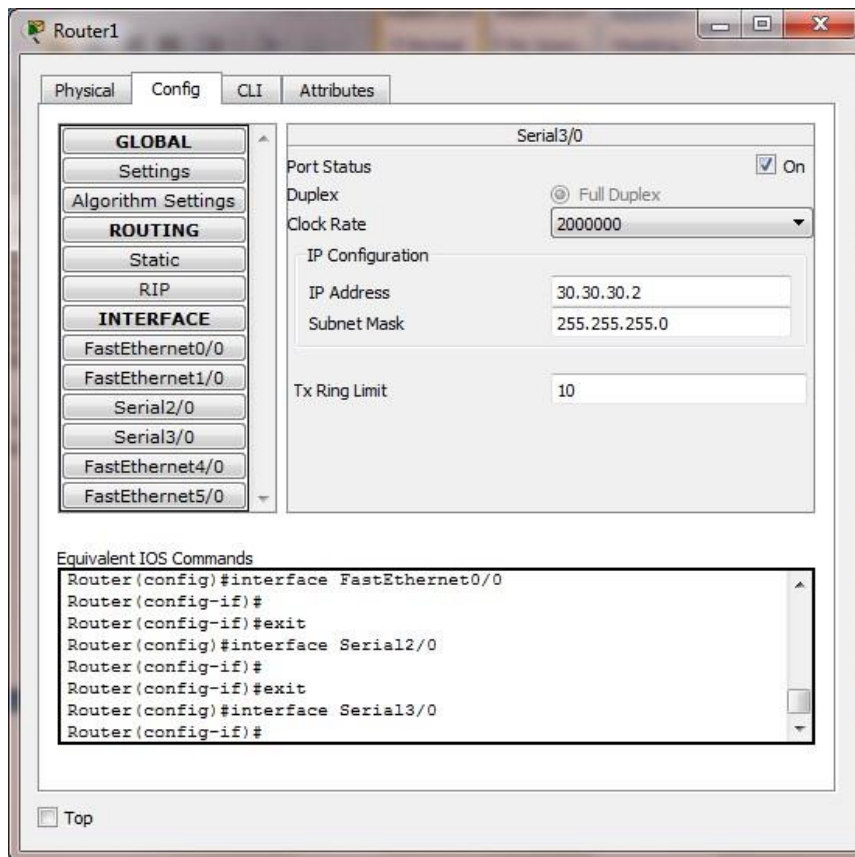
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

☐ Top

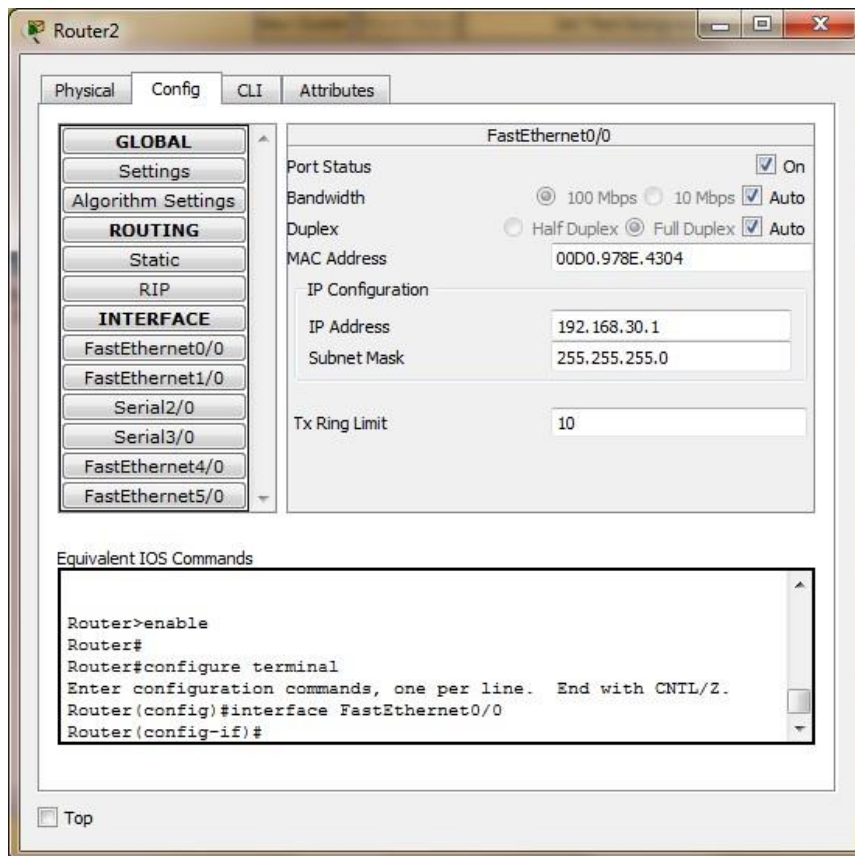


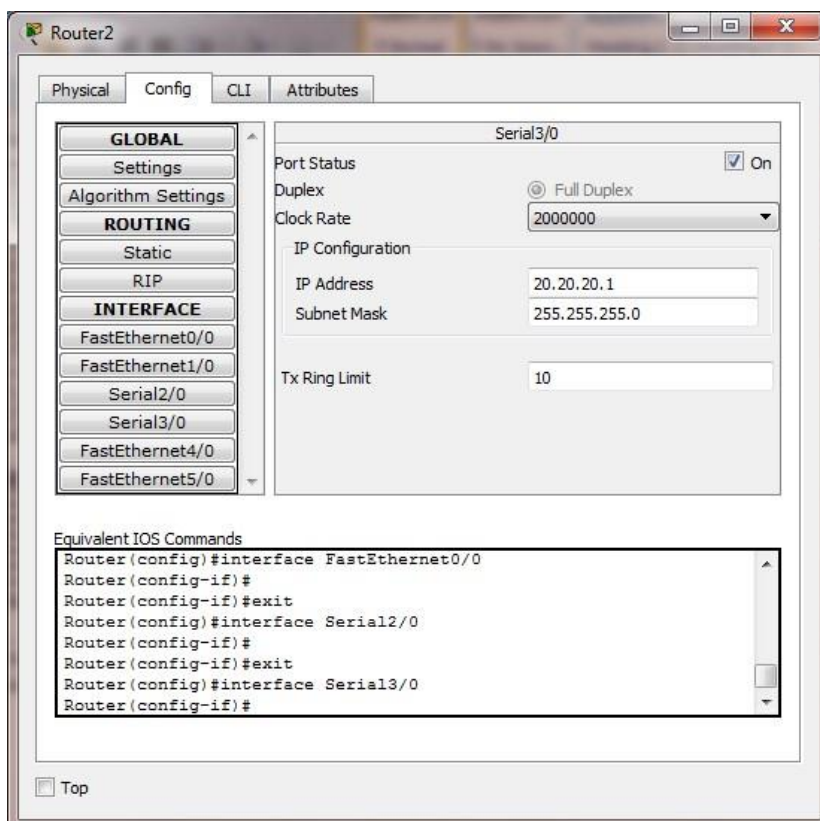
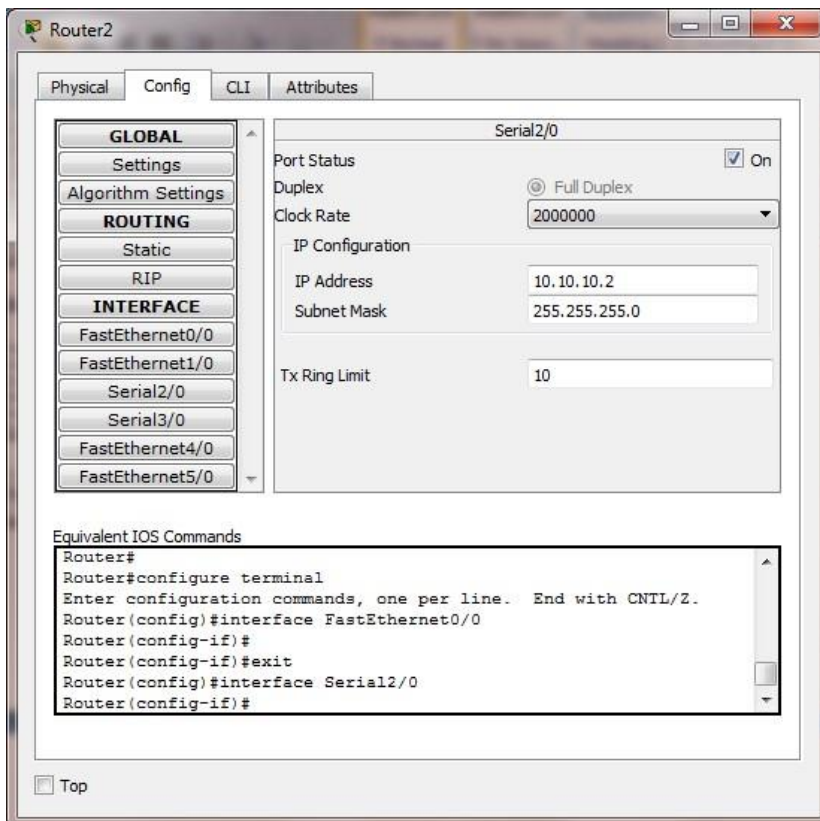
>router 1



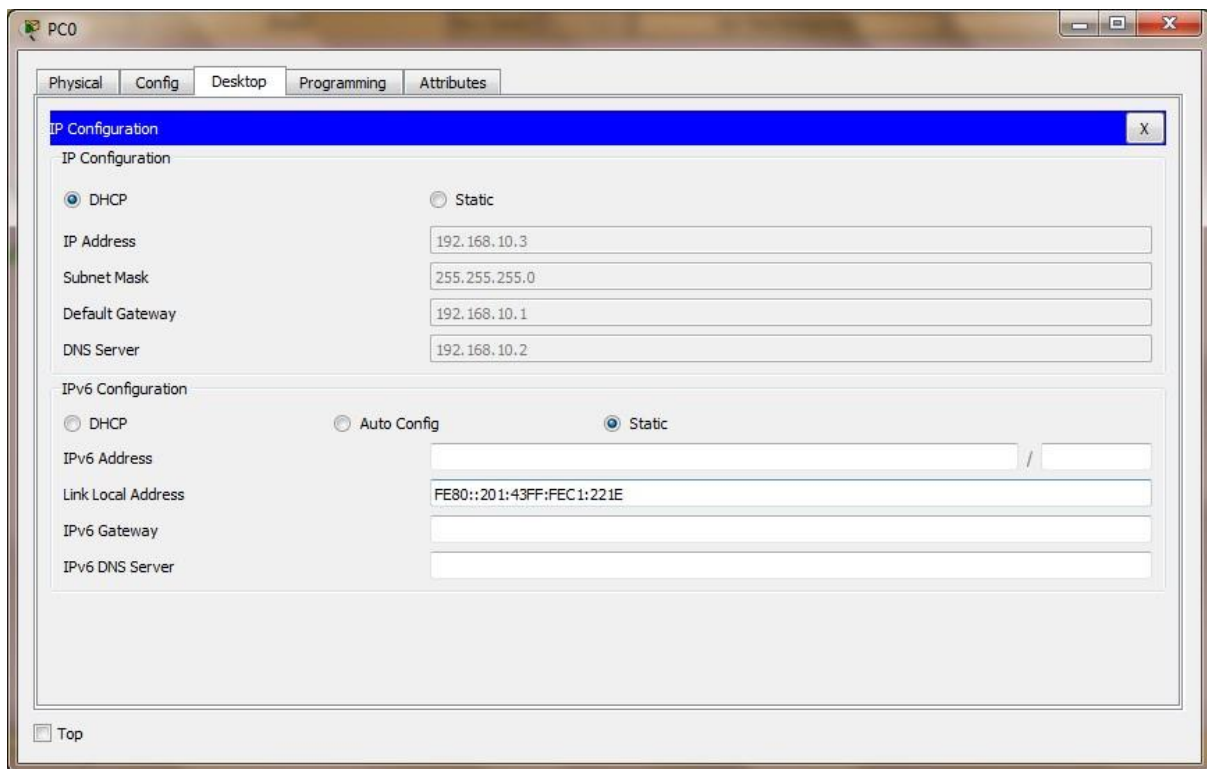


>router 2

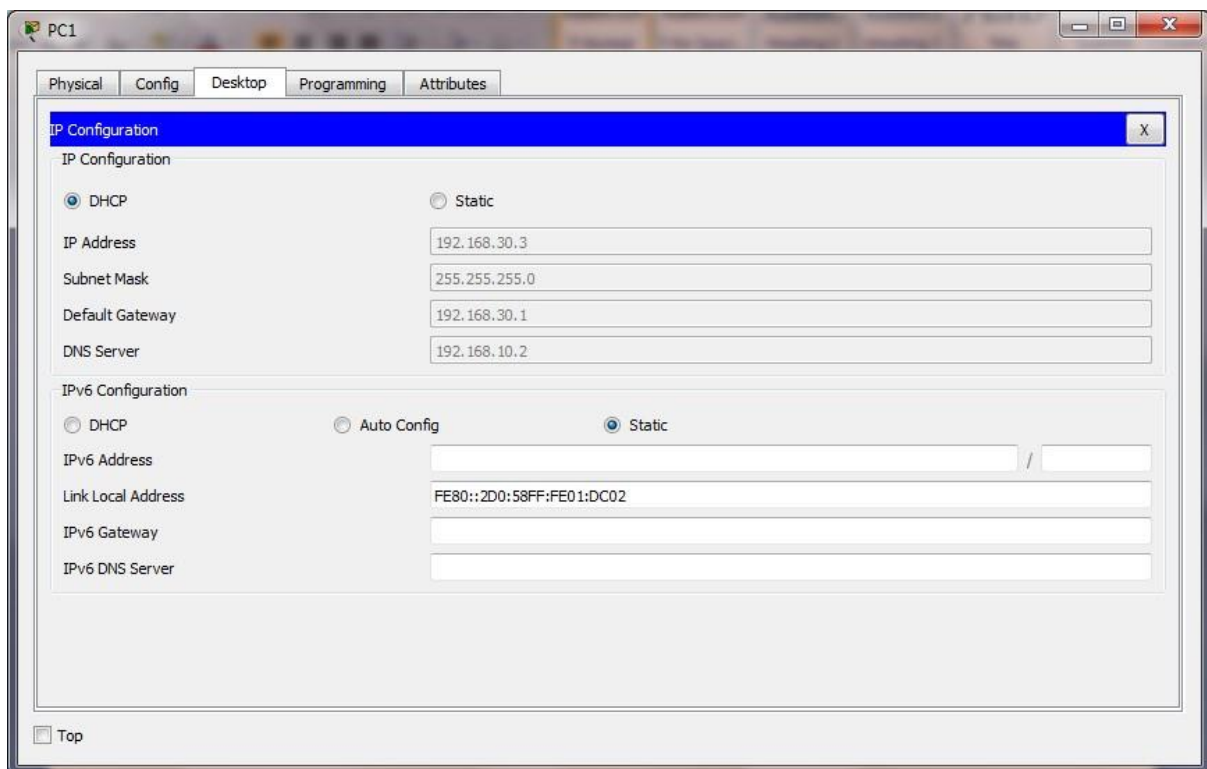




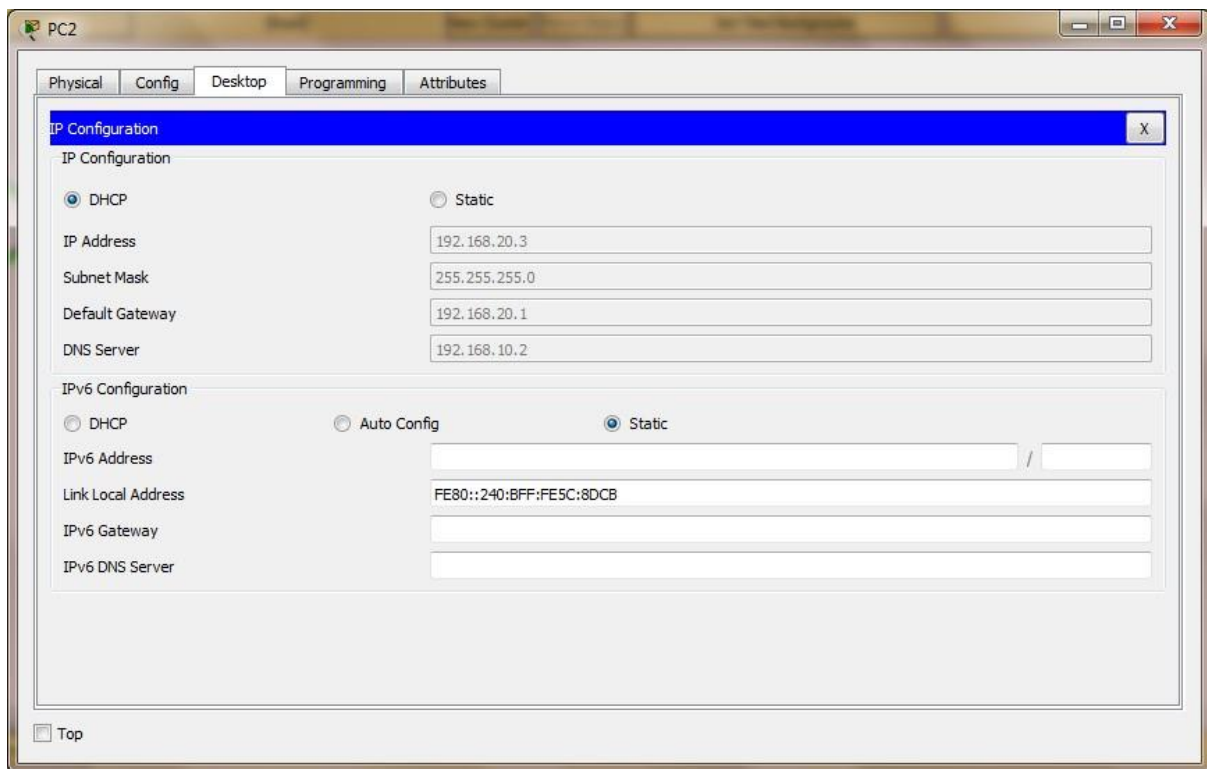
>pc 0



>pc 1

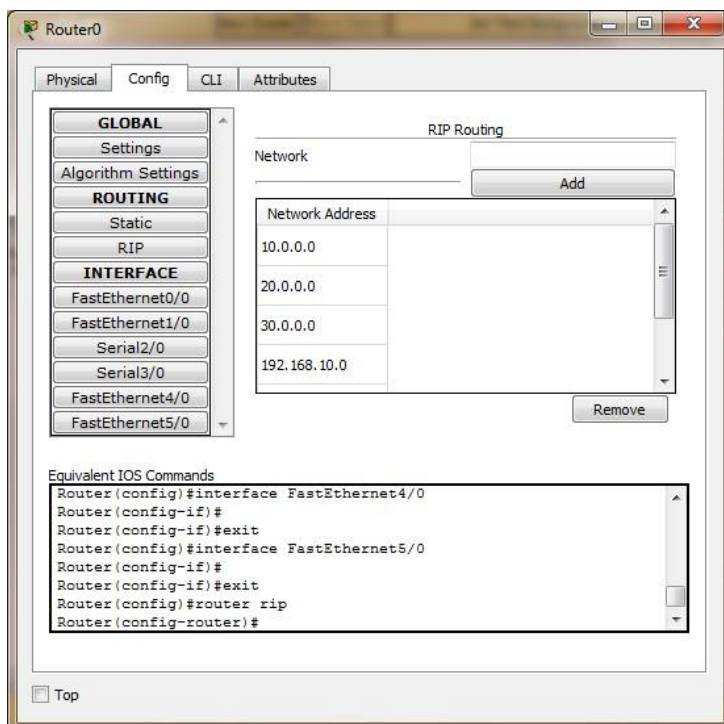


>pc 2

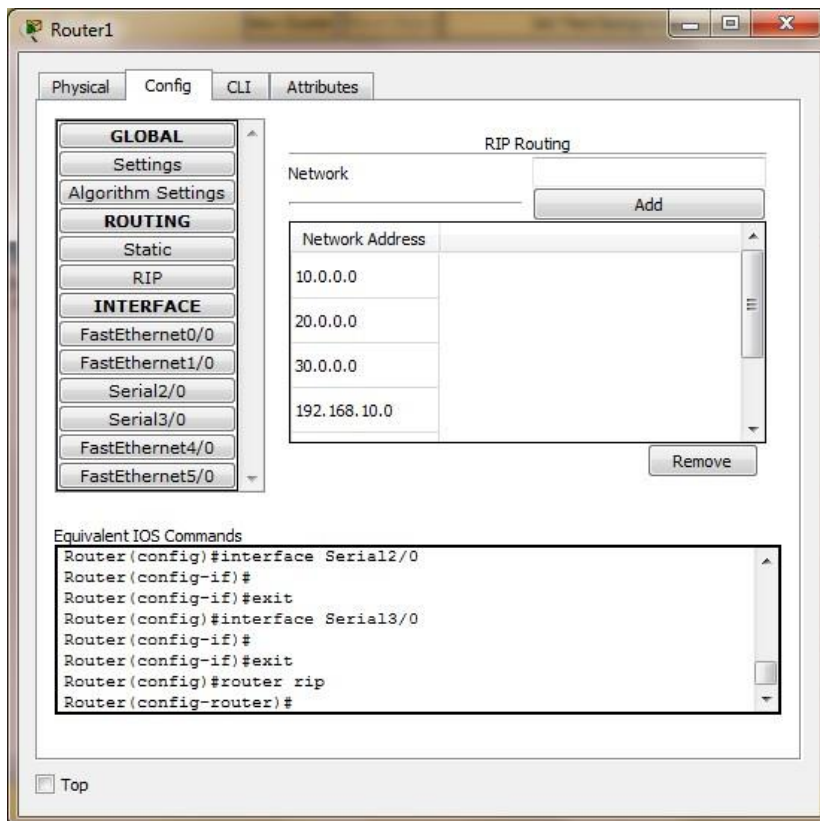


3. Lakukan konfigurasi untuk routing dinamis menggunakan protokol routing RIP pada 3 router tersebut!

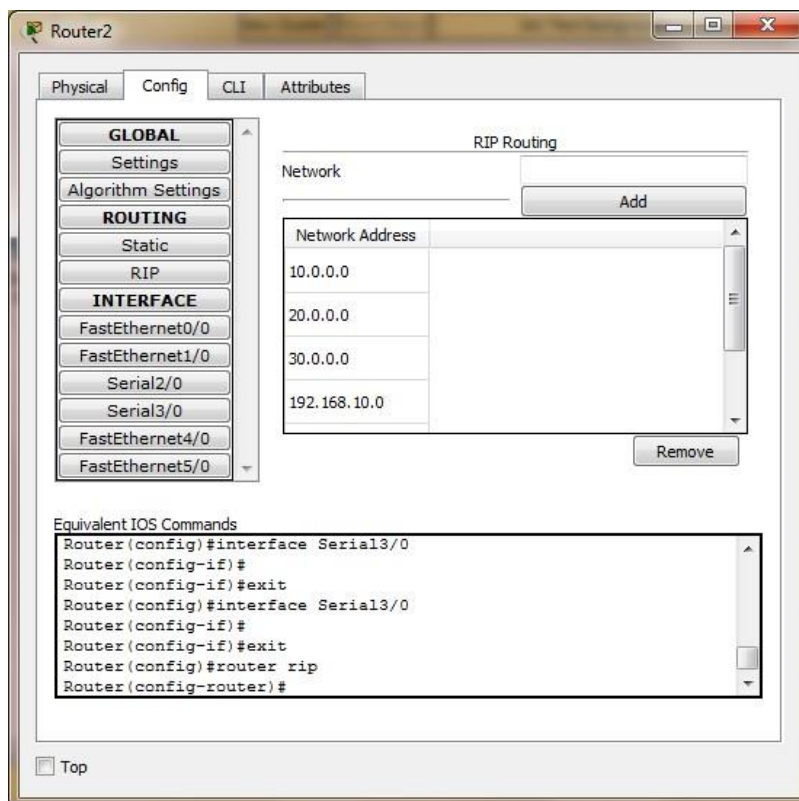
>router0



>router1

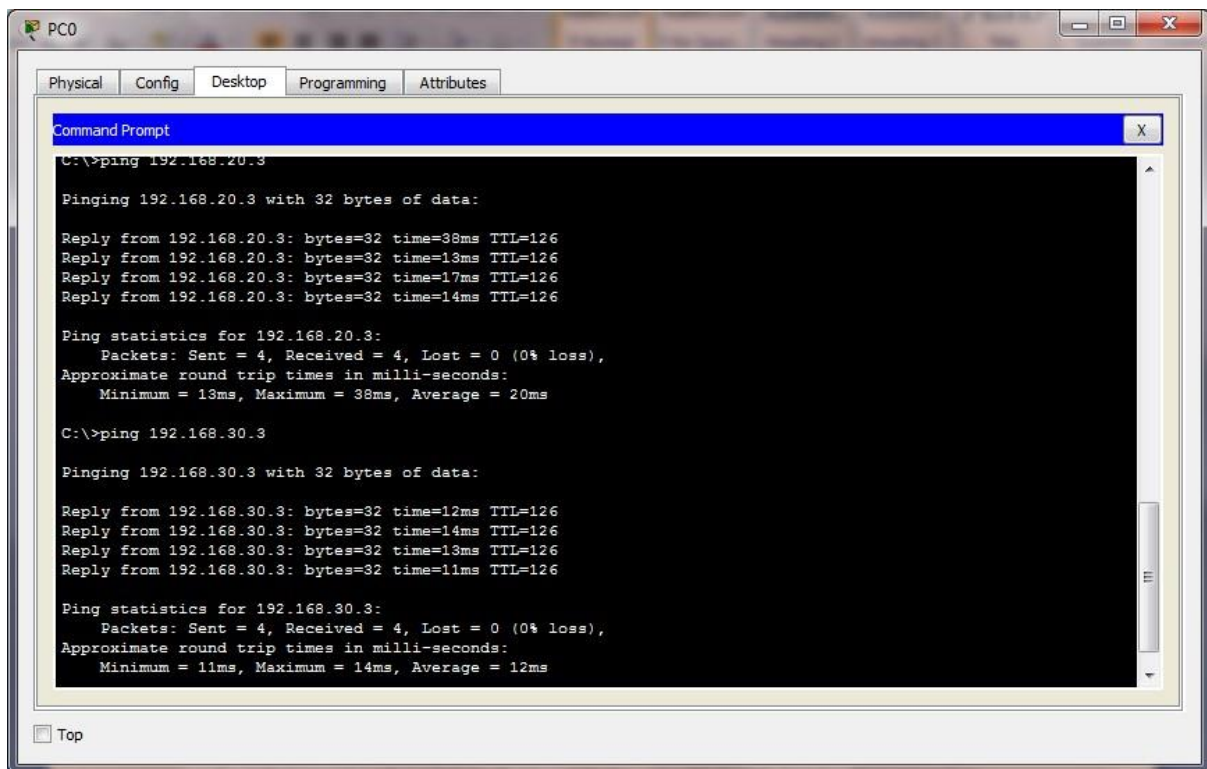


>router2



4. Lakukan uji koneksi untuk melihat konektivitas antar PC dan lakukan konfigurasi routing statis pada 3 router tersebut

>pc0



The screenshot shows a window titled 'PC0' with tabs for Physical, Config, Desktop, Programming, and Attributes. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of two ping commands. The first command is 'ping 192.168.20.3', which results in four successful replies with times of 38ms, 13ms, 17ms, and 14ms, and statistics showing 0% loss and an average round trip time of 20ms. The second command is 'ping 192.168.30.3', which results in four successful replies with times of 12ms, 14ms, 13ms, and 11ms, and statistics showing 0% loss and an average round trip time of 12ms.

```
C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

Reply from 192.168.20.3: bytes=32 time=38ms TTL=126
Reply from 192.168.20.3: bytes=32 time=13ms TTL=126
Reply from 192.168.20.3: bytes=32 time=17ms TTL=126
Reply from 192.168.20.3: bytes=32 time=14ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 13ms, Maximum = 38ms, Average = 20ms

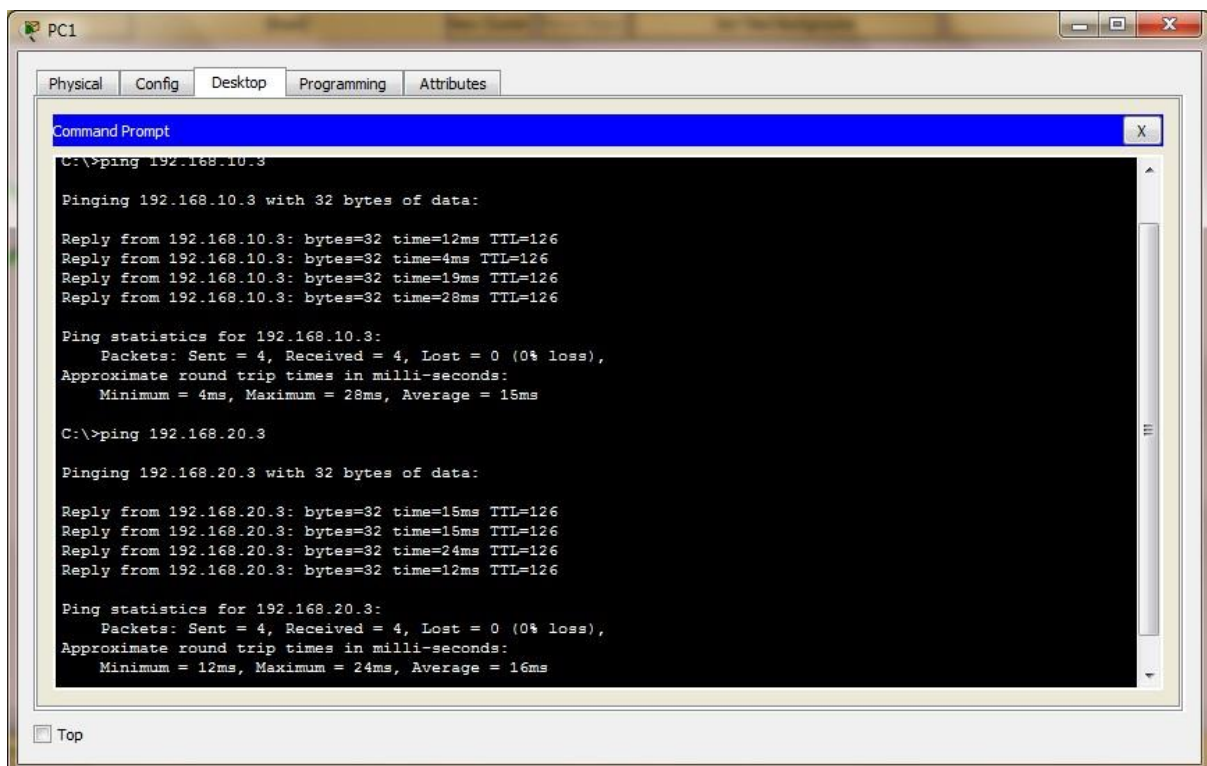
C:\>ping 192.168.30.3

Pinging 192.168.30.3 with 32 bytes of data:

Reply from 192.168.30.3: bytes=32 time=12ms TTL=126
Reply from 192.168.30.3: bytes=32 time=14ms TTL=126
Reply from 192.168.30.3: bytes=32 time=13ms TTL=126
Reply from 192.168.30.3: bytes=32 time=11ms TTL=126

Ping statistics for 192.168.30.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 14ms, Average = 12ms
```

>pc1



The screenshot shows a window titled 'PC1' with tabs for Physical, Config, Desktop, Programming, and Attributes. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of two ping commands. The first command is 'ping 192.168.10.3', which results in four successful replies with times of 12ms, 4ms, 19ms, and 28ms, and statistics showing 0% loss and an average round trip time of 15ms. The second command is 'ping 192.168.20.3', which results in four successful replies with times of 15ms, 15ms, 24ms, and 12ms, and statistics showing 0% loss and an average round trip time of 16ms.

```
C:\>ping 192.168.10.3

Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time=12ms TTL=126
Reply from 192.168.10.3: bytes=32 time=4ms TTL=126
Reply from 192.168.10.3: bytes=32 time=19ms TTL=126
Reply from 192.168.10.3: bytes=32 time=28ms TTL=126

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 28ms, Average = 15ms

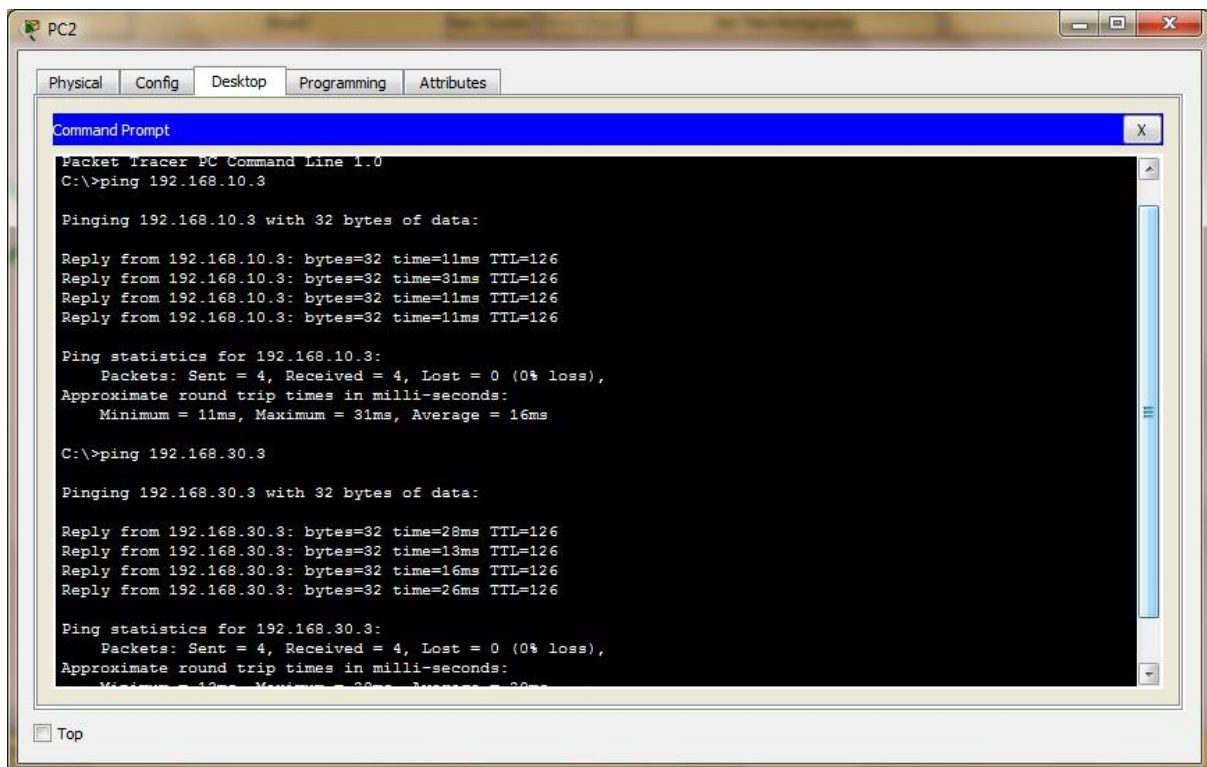
C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

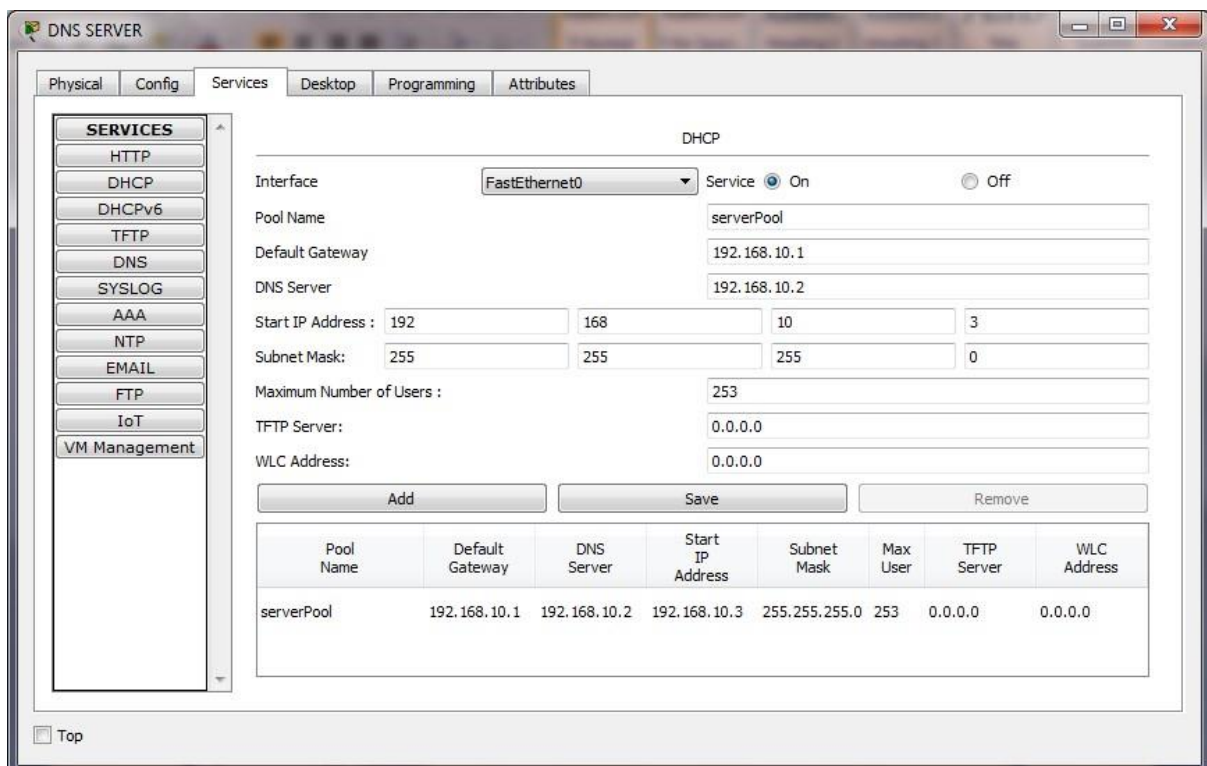
Reply from 192.168.20.3: bytes=32 time=15ms TTL=126
Reply from 192.168.20.3: bytes=32 time=15ms TTL=126
Reply from 192.168.20.3: bytes=32 time=24ms TTL=126
Reply from 192.168.20.3: bytes=32 time=12ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 12ms, Maximum = 24ms, Average = 16ms
```

>pc2



5. Menggunakan acces list, batasi hanya pc 2 yang bisa mengakses server dhcp!



bagong.com

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

serverPool

Default Gateway

192.168.30.1

DNS Server

192.168.10.2

Start IP Address :

192

168

30

3

Subnet Mask:

255

255

255

0

Maximum Number of Users :

253

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.30.1	192.168.10.2	192.168.30.3	255.255.255.0	253	0.0.0.0	0.0.0.0

Top

DHCP

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

serverPool

Default Gateway

192.168.20.1

DNS Server

192.168.10.2

Start IP Address :

192

168

20

3

Subnet Mask:

255

255

255

0

Maximum Number of Users :

253

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.20.1	192.168.10.2	192.168.20.3	255.255.255.0	253	0.0.0.0	0.0.0.0

Top

