Nama : Alfian Yulianto

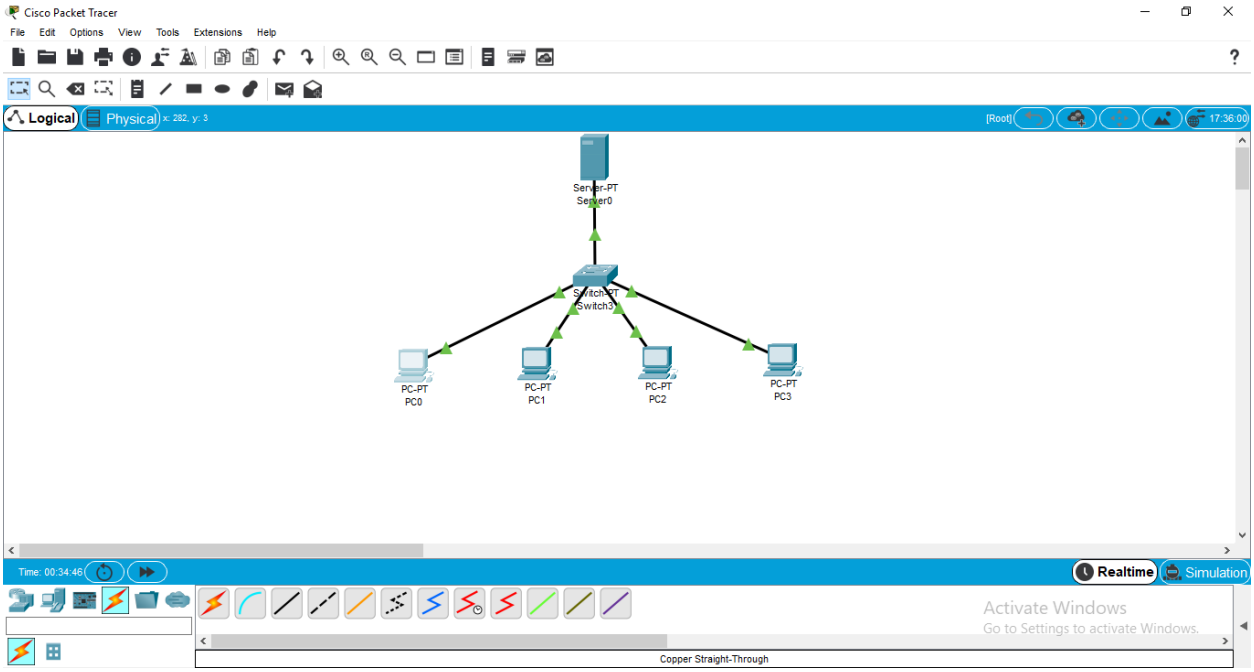
NIM : L200180121

Kelas : C

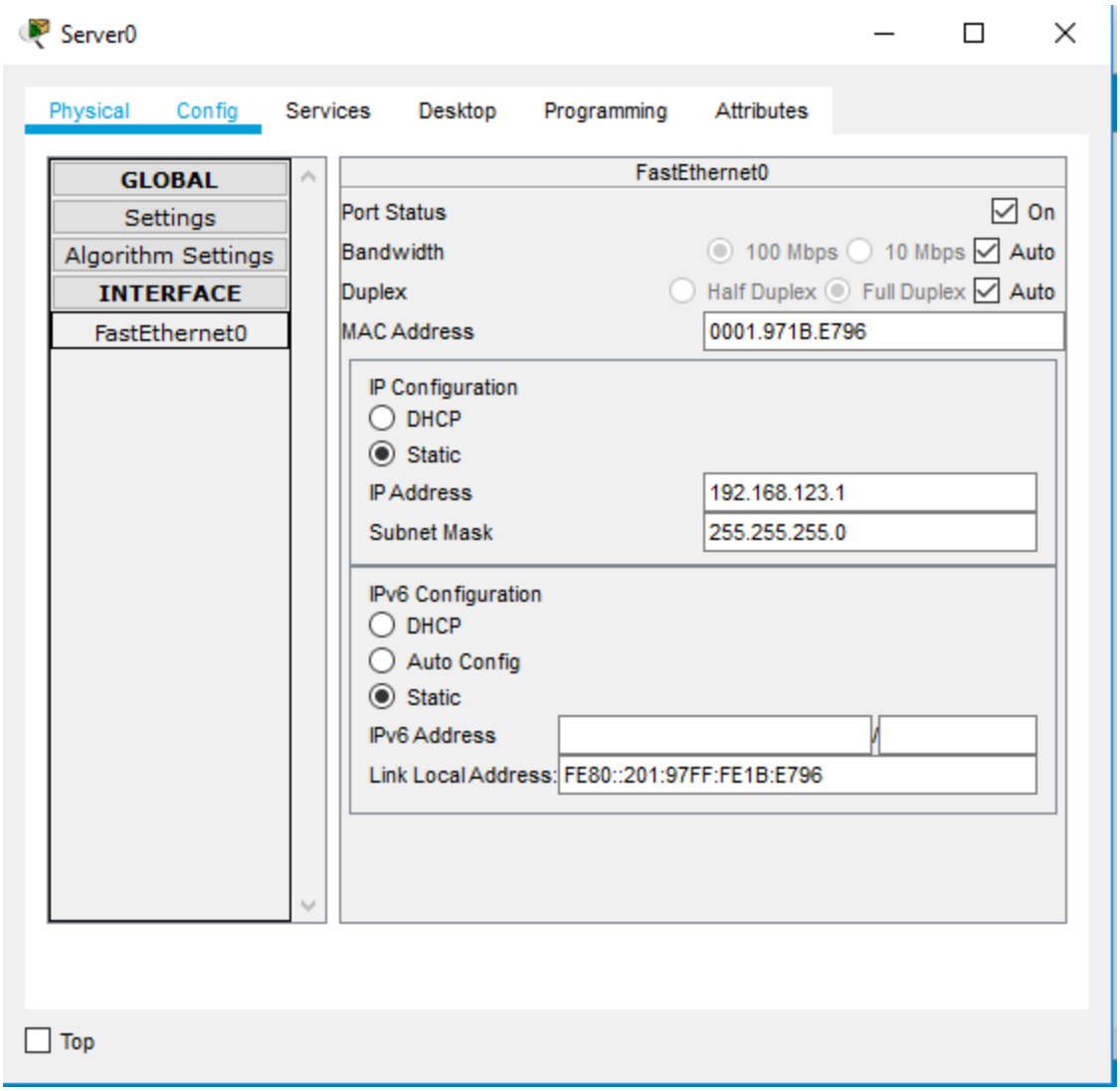
Modul 5

Kegiatan

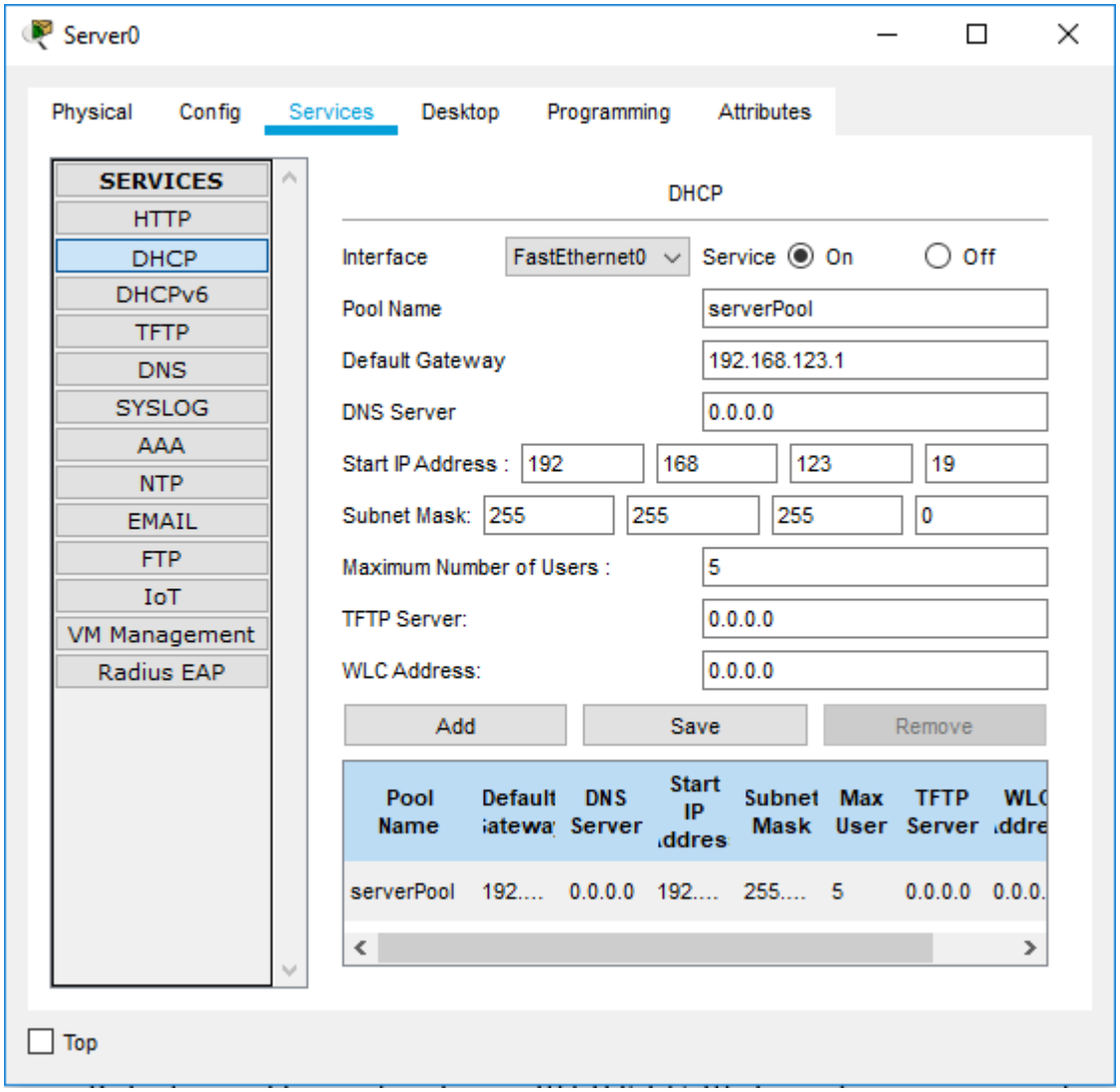
1. Praktikum 1 Membuat DHCP Server



a. Double-kilk Server0. Pilih tab config. Pada menu Interface, pilih Fast-Ethernet. Pada bagian IP Configuration, isikan dengan IP Address server, dalam contoh ini 192.168.123.1 subnet mask 255.255.255.0.

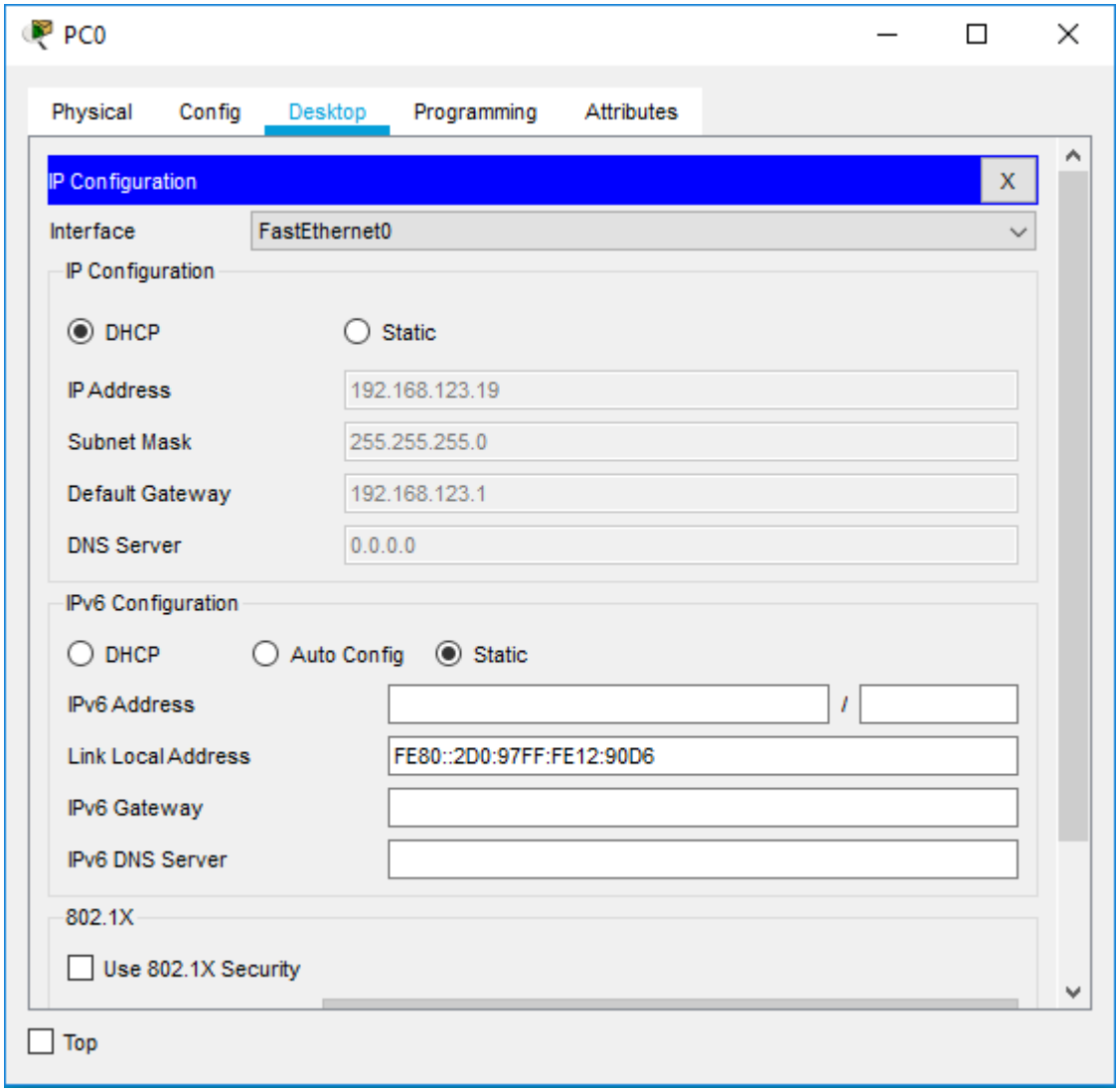


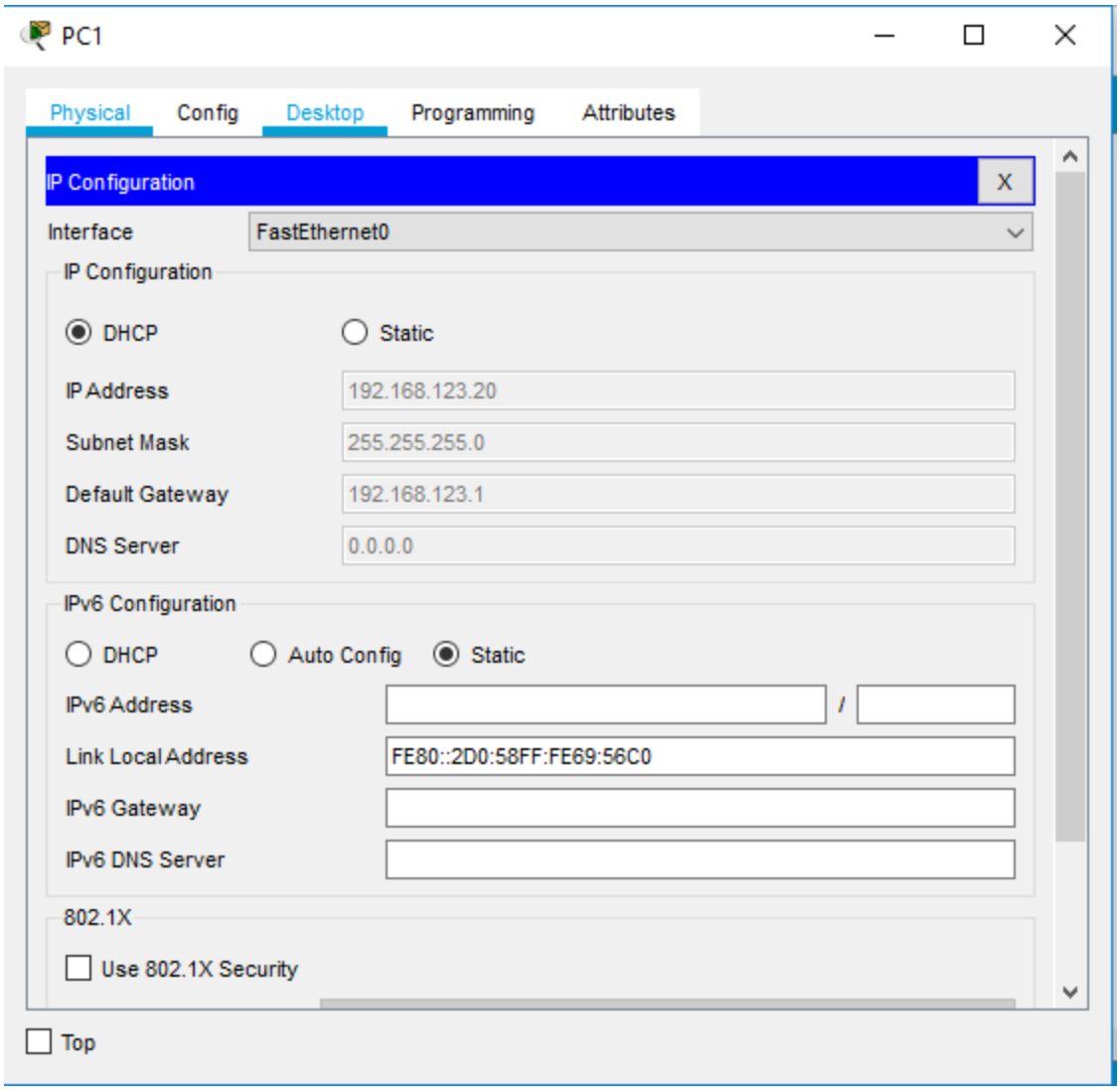
b. Untuk konfigurasi dhcp server pada jendelapropertis server 0 pada services, pilih DHCP. Pastikan service DHCP On. Isikan blok IP address yang akan diberikan ke PC client. Contoh konfigurasi seperti gambar dibawah ini.

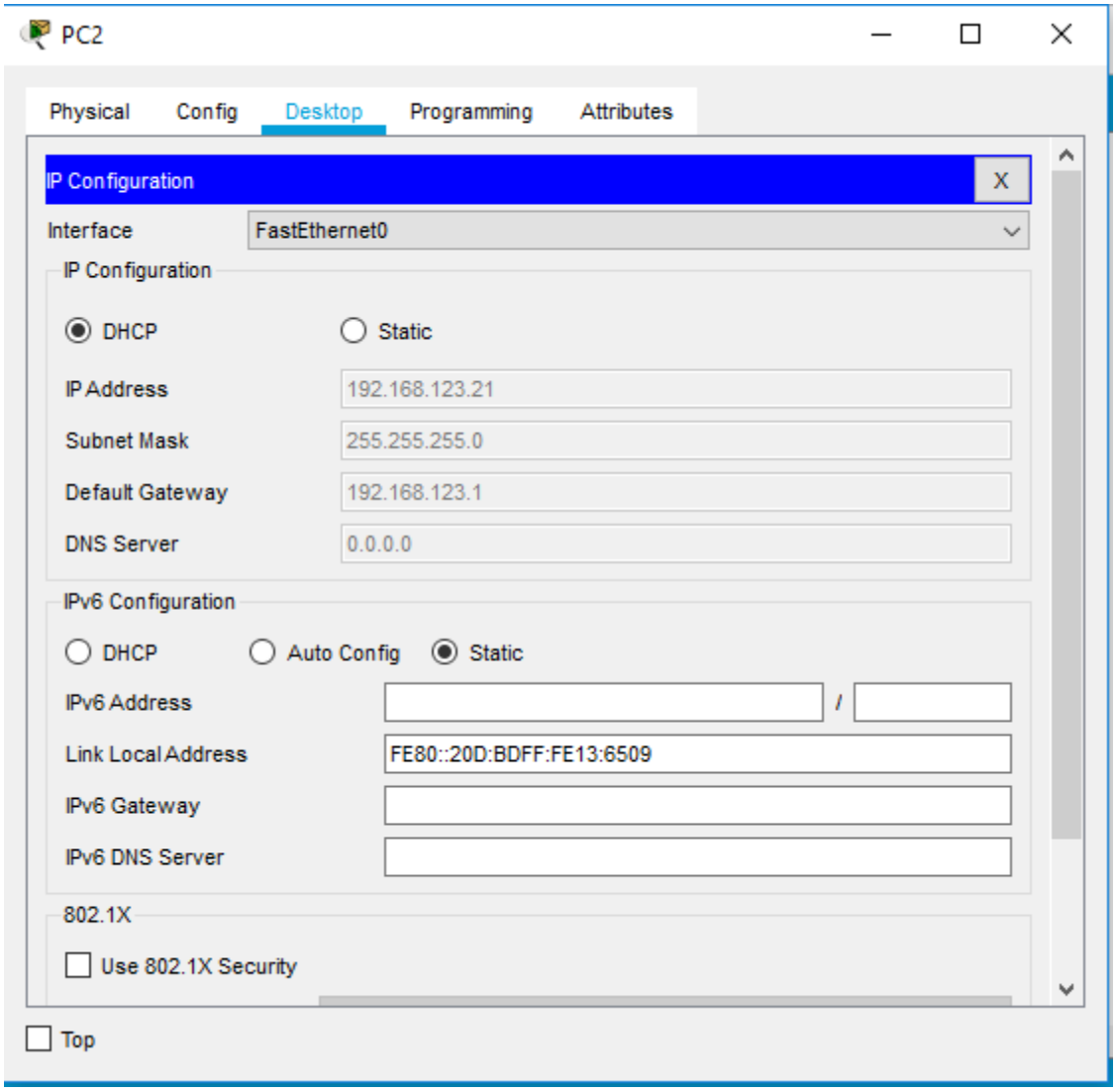


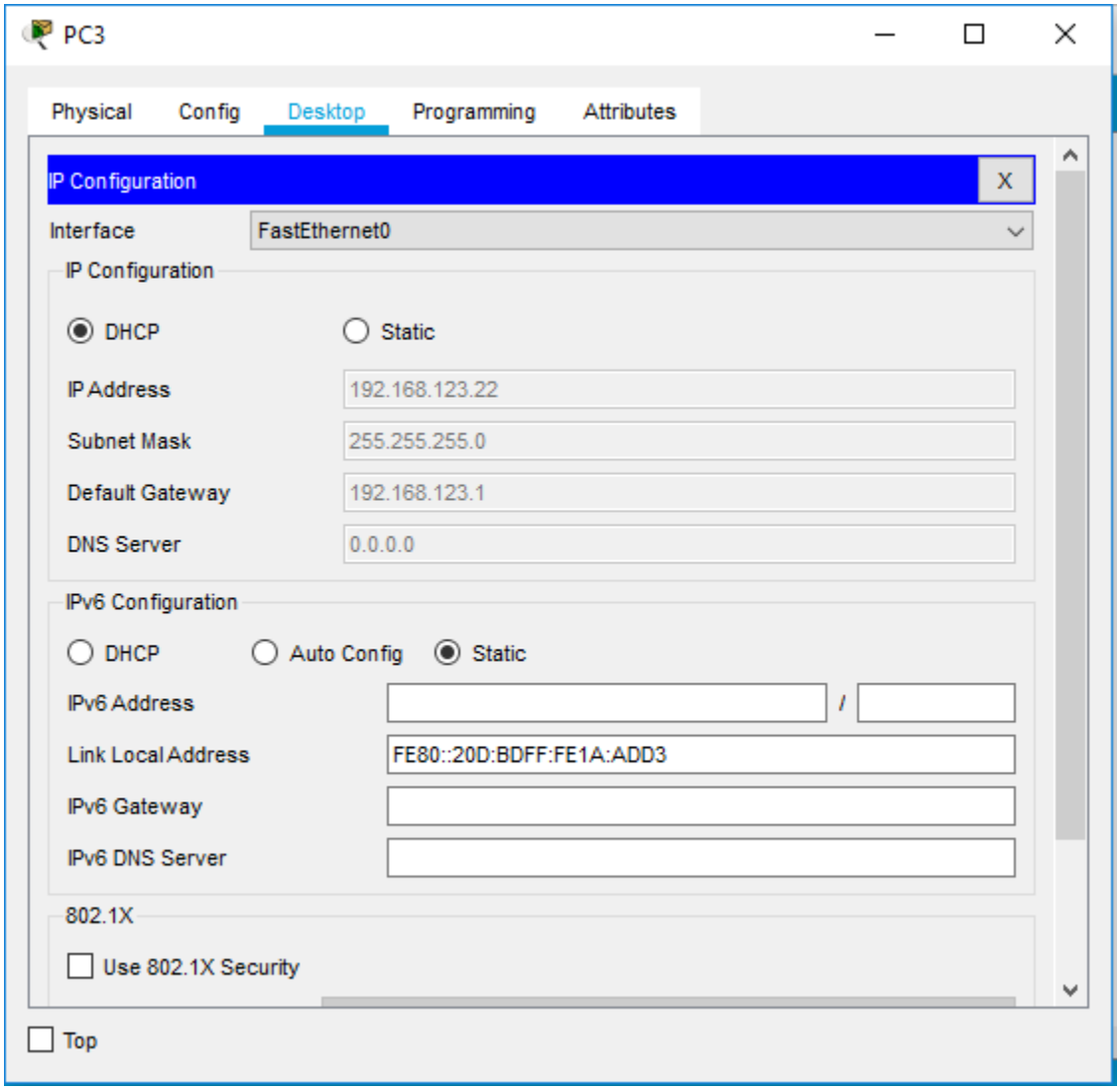
Pada star ip addres isiskan dengan 192.168.123.19, dan pada maximum number of users=5. Hal ini berarti setiap host yang reques IP pada DHCP server akan mendapat IP Address mulai dari range 192.168.123.19-192.168.123.23. untuk field default geteway dengan dns server biarkan kosong untuk contoh ini

c. Setelah konfigurasi selesai, seilahkan cek IP pada pc tersebut. Hasil akhir bisa dilihat pada gambar dibawah ini

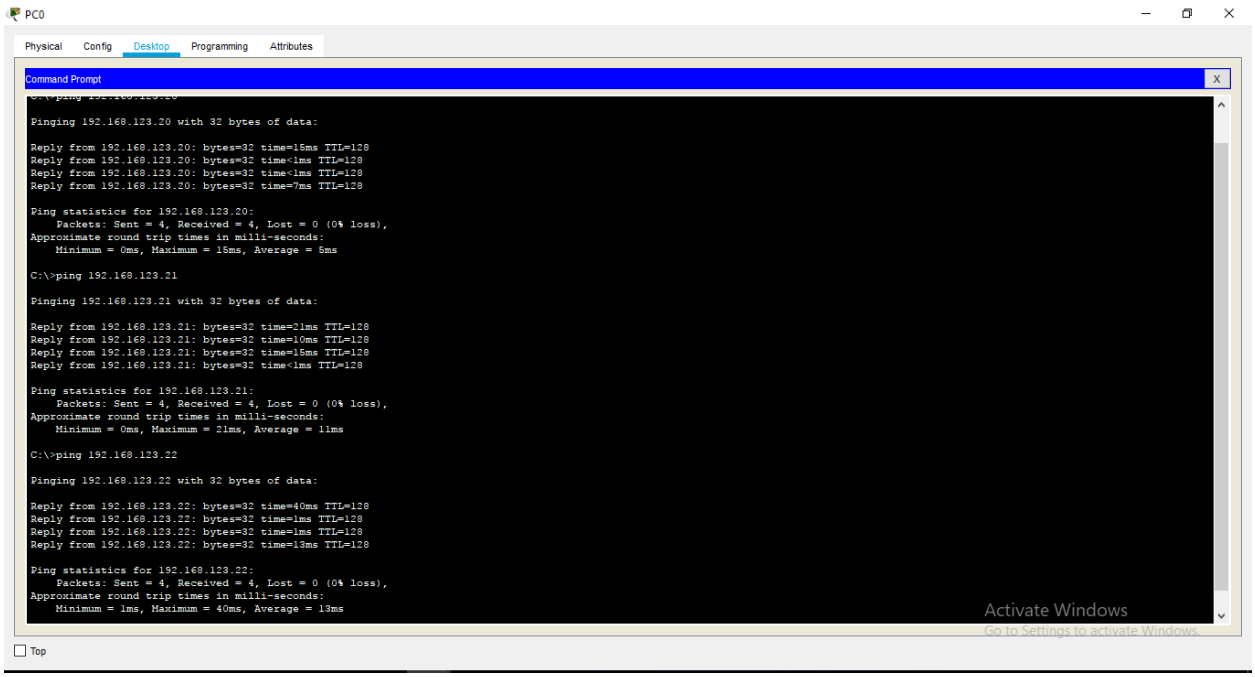

PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
192.168.123.19
Subnet Mask
255.255.255.0
Default Gateway
192.168.123.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::2D0:97FF:FE12:90D6
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

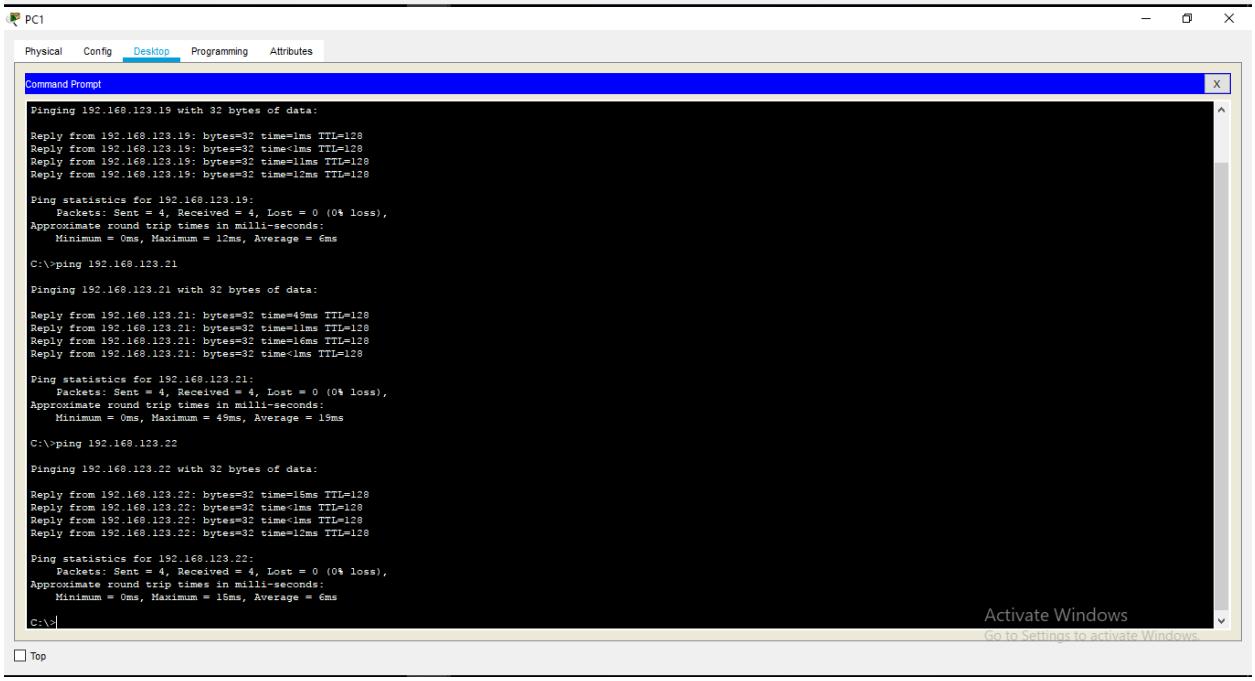

PC1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
192.168.123.20
Subnet Mask
255.255.255.0
Default Gateway
192.168.123.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::2D0:58FF:FE69:56C0
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

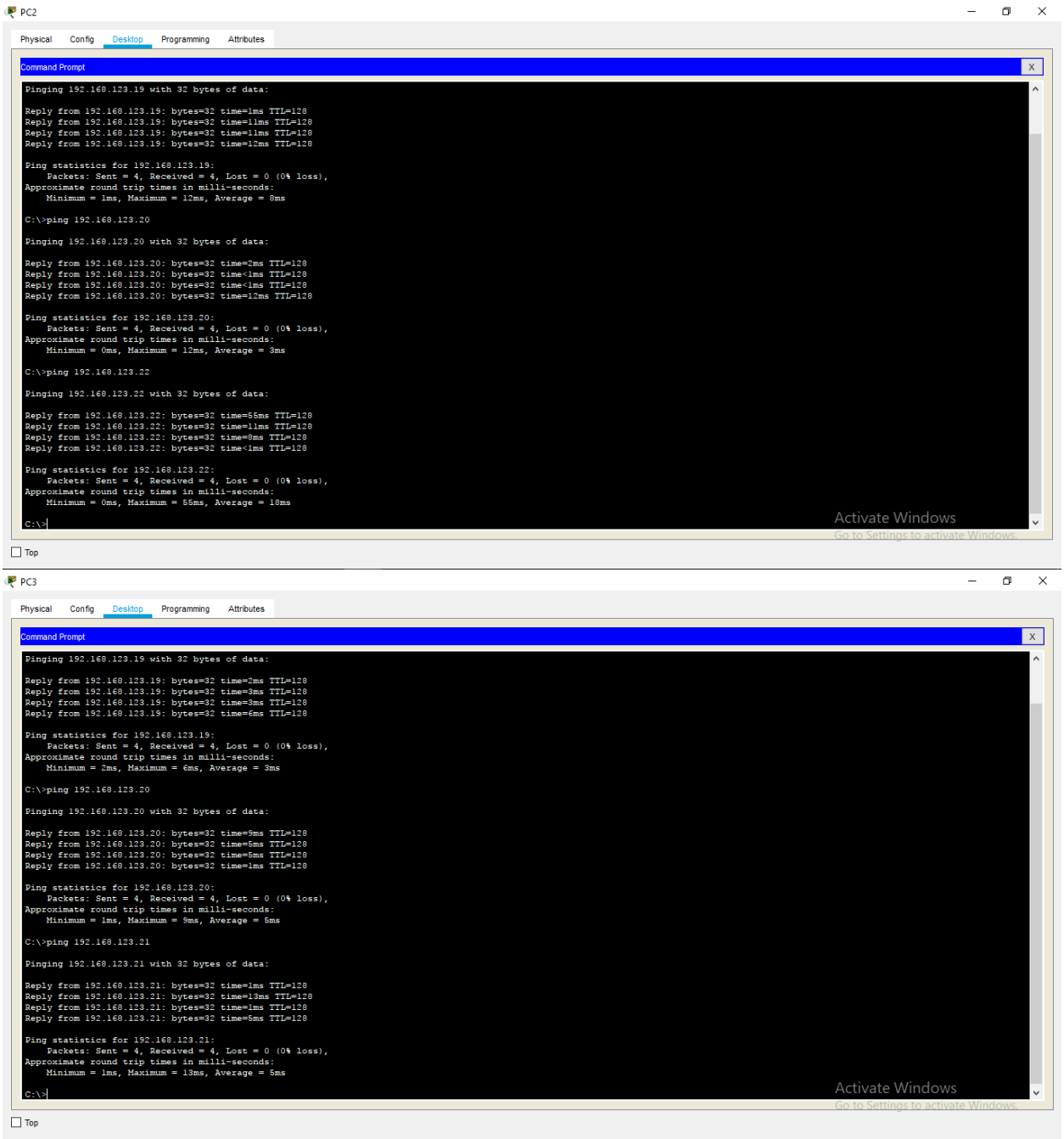

PC2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
192.168.123.21
Subnet Mask
255.255.255.0
Default Gateway
192.168.123.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::20D:BDFF:FE13:6509
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top



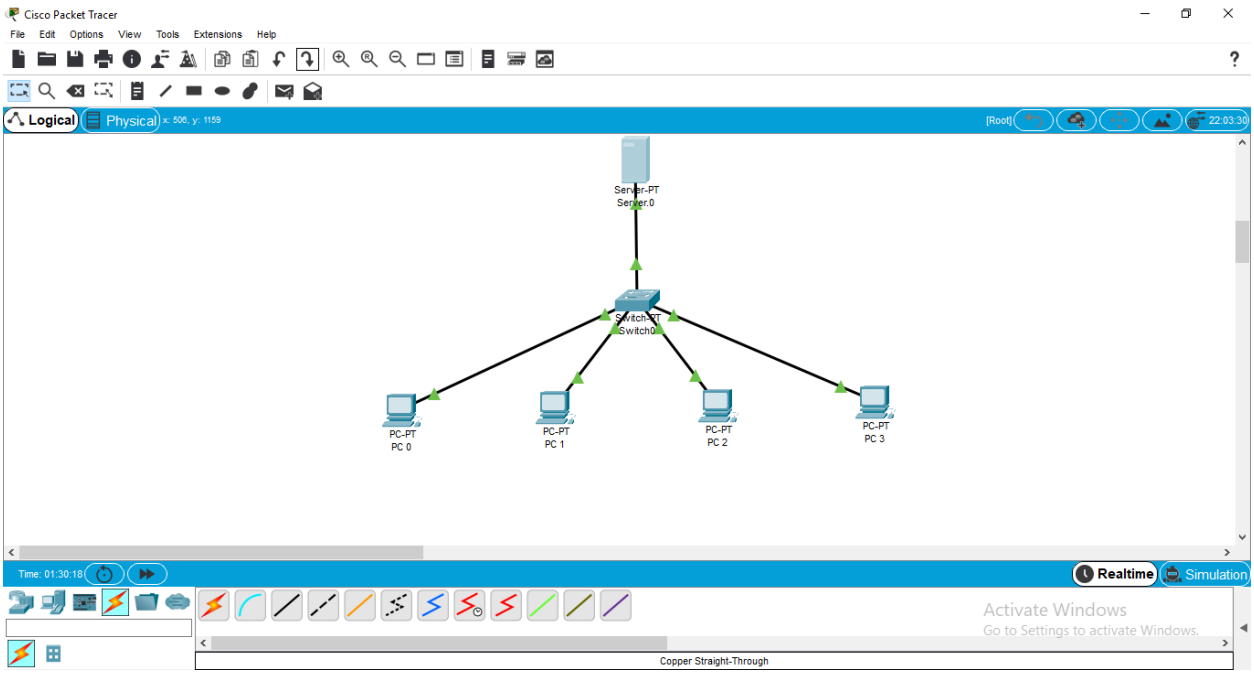
d. Setelah selesai konfigurasi semua, ping ke semua pc yang terhubung dengan server DHCP. Tunjukan hasilnya ke asisten untuk dinilaikan


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Pinging 192.168.123.20 with 32 bytes of data:
Reply from 192.168.123.20: bytes=32 time=15ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=7ms TTL=128
Ping statistics for 192.168.123.20:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 15ms, Average = 5ms
C:\>ping 192.168.123.21
Pinging 192.168.123.21 with 32 bytes of data:
Reply from 192.168.123.21: bytes=32 time=21ms TTL=128
Reply from 192.168.123.21: bytes=32 time=10ms TTL=128
Reply from 192.168.123.21: bytes=32 time=15ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.123.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 21ms, Average = 11ms
C:\>ping 192.168.123.22
Pinging 192.168.123.22 with 32 bytes of data:
Reply from 192.168.123.22: bytes=32 time=40ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=13ms TTL=128
Ping statistics for 192.168.123.22:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 40ms, Average = 13ms
Activate Windows
Go to Settings to activate Windows.
Top

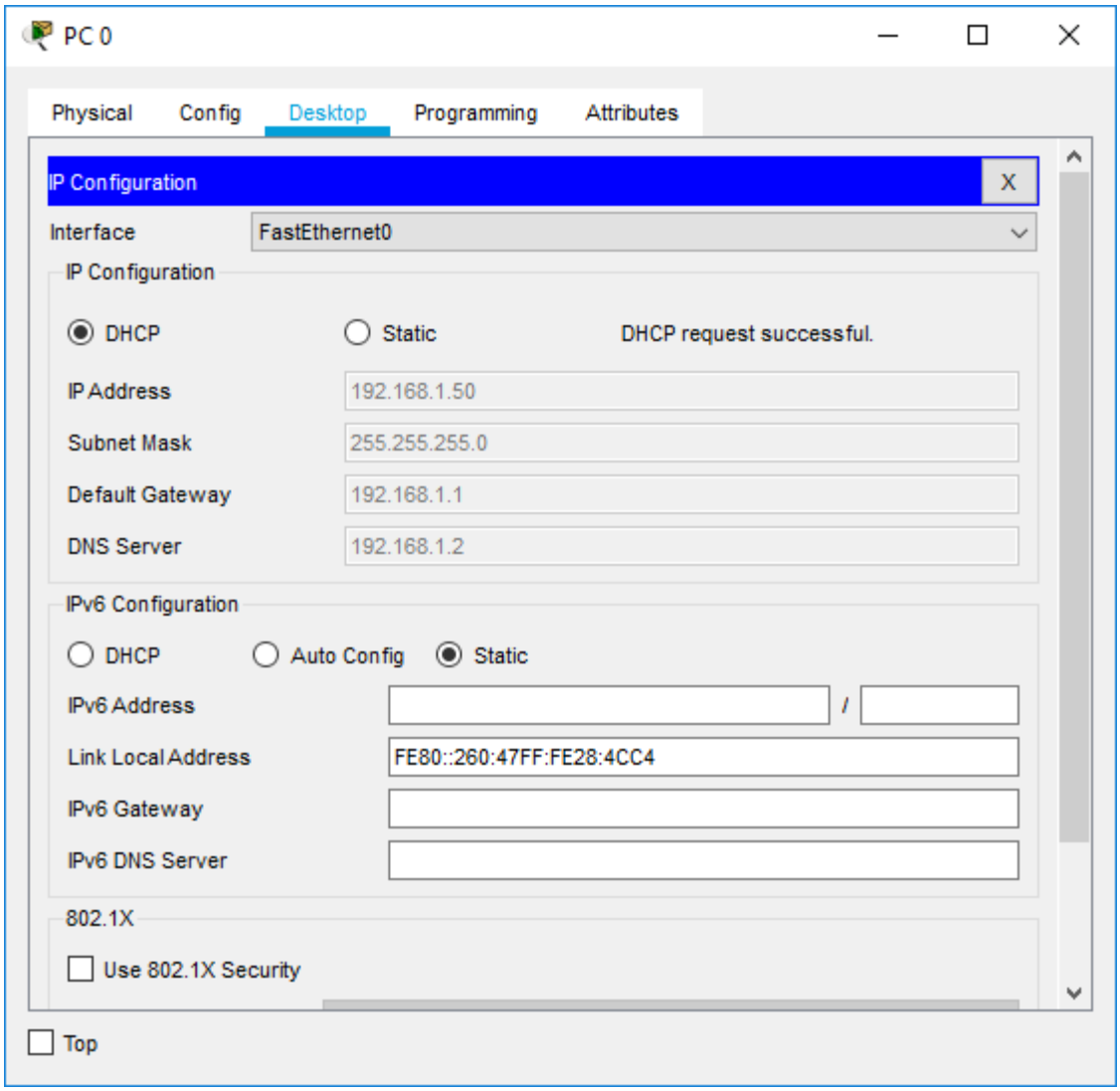

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Pinging 192.168.123.19 with 32 bytes of data:
Reply from 192.168.123.19: bytes=32 time=1ms TTL=128
Reply from 192.168.123.19: bytes=32 time<1ms TTL=128
Reply from 192.168.123.19: bytes=32 time=11ms TTL=128
Reply from 192.168.123.19: bytes=32 time=12ms TTL=128
Ping statistics for 192.168.123.19:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 12ms, Average = 6ms
C:\>ping 192.168.123.21
Pinging 192.168.123.21 with 32 bytes of data:
Reply from 192.168.123.21: bytes=32 time=49ms TTL=128
Reply from 192.168.123.21: bytes=32 time=11ms TTL=128
Reply from 192.168.123.21: bytes=32 time=16ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.123.21:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 49ms, Average = 19ms
C:\>ping 192.168.123.22
Pinging 192.168.123.22 with 32 bytes of data:
Reply from 192.168.123.22: bytes=32 time=15ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=12ms TTL=128
Ping statistics for 192.168.123.22:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 15ms, Average = 6ms
C:\>
Activate Windows
Go to Settings to activate Windows.
Top

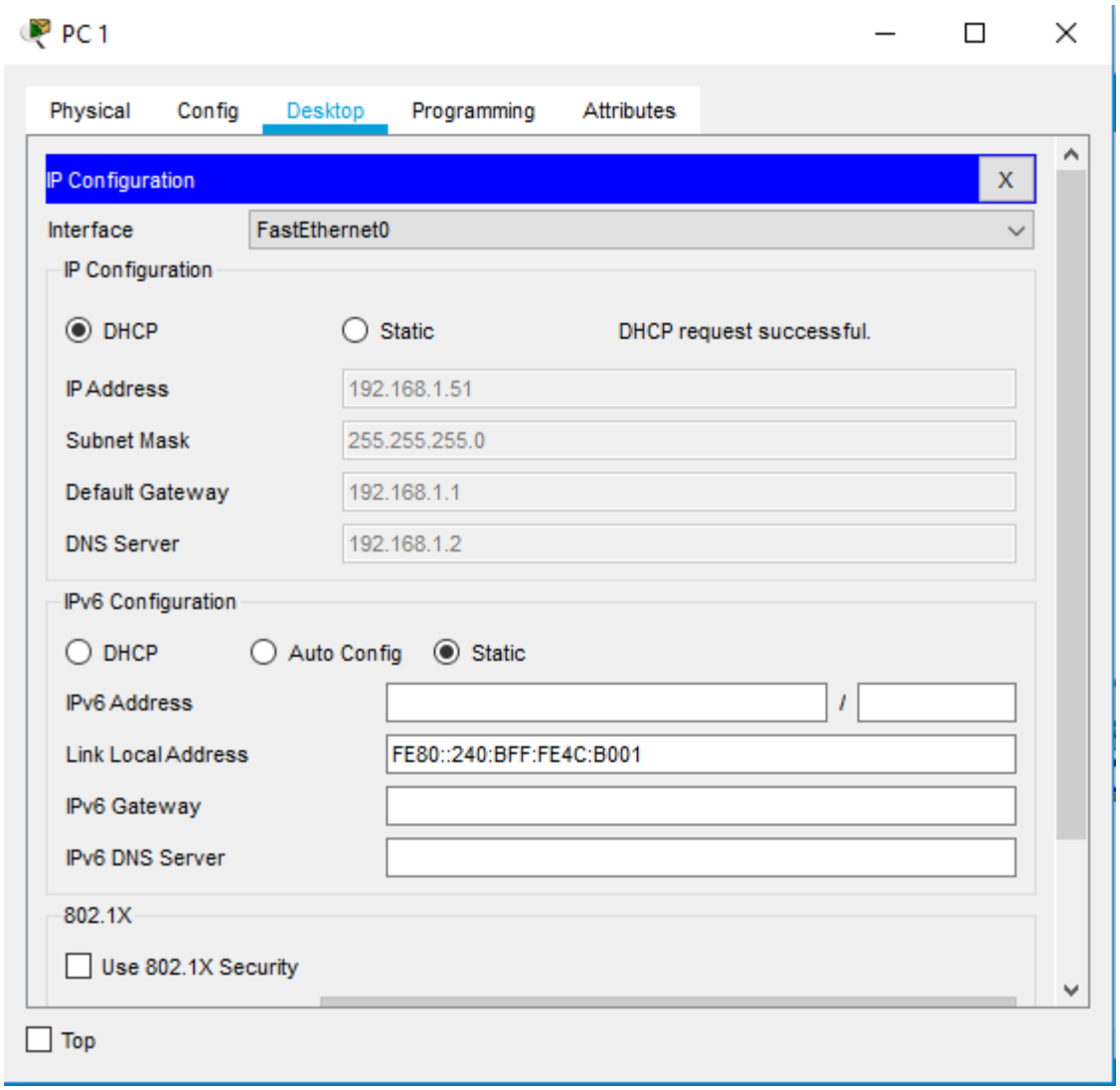


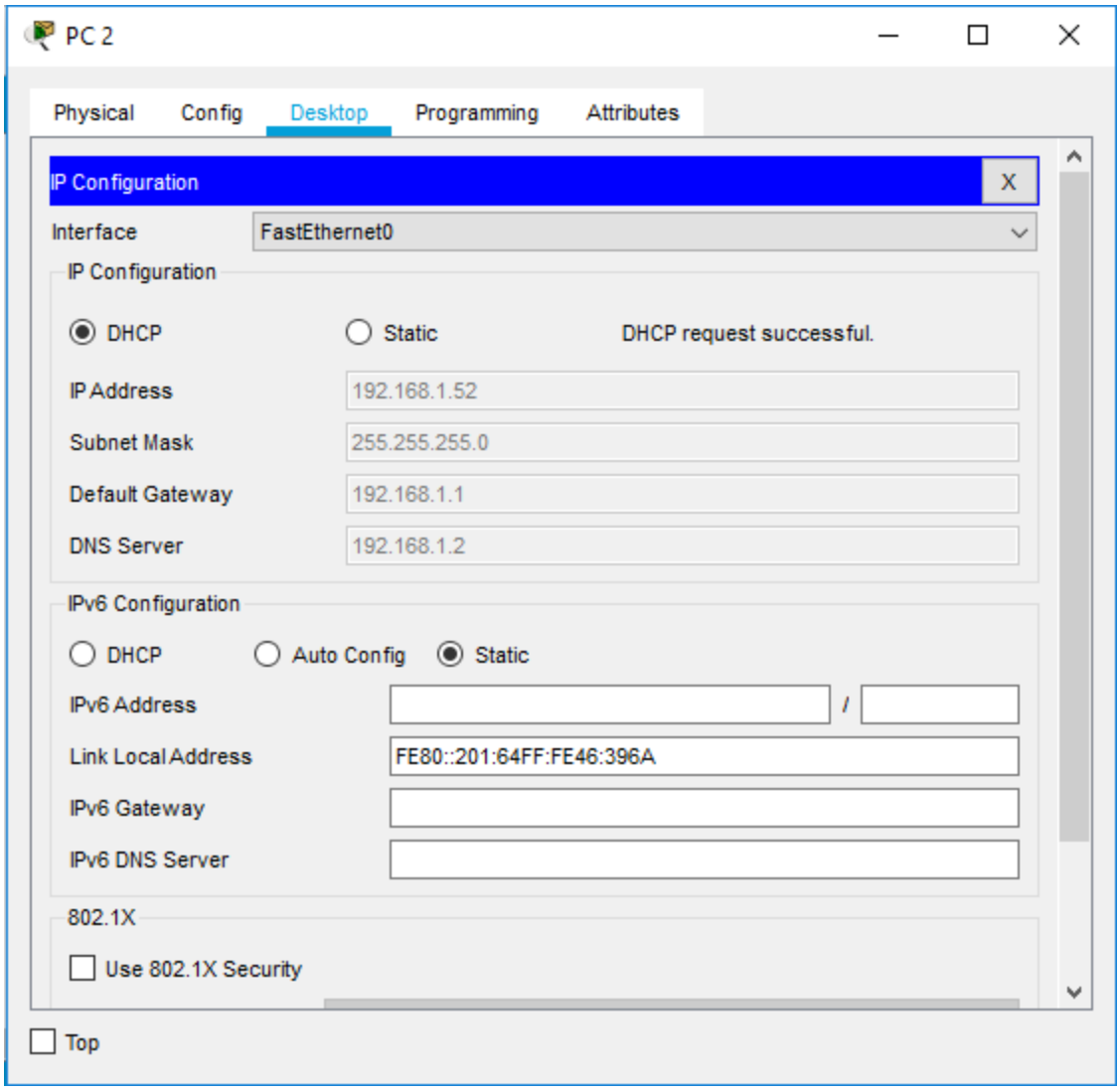
2. Praktikum 2 Membuat Web Server

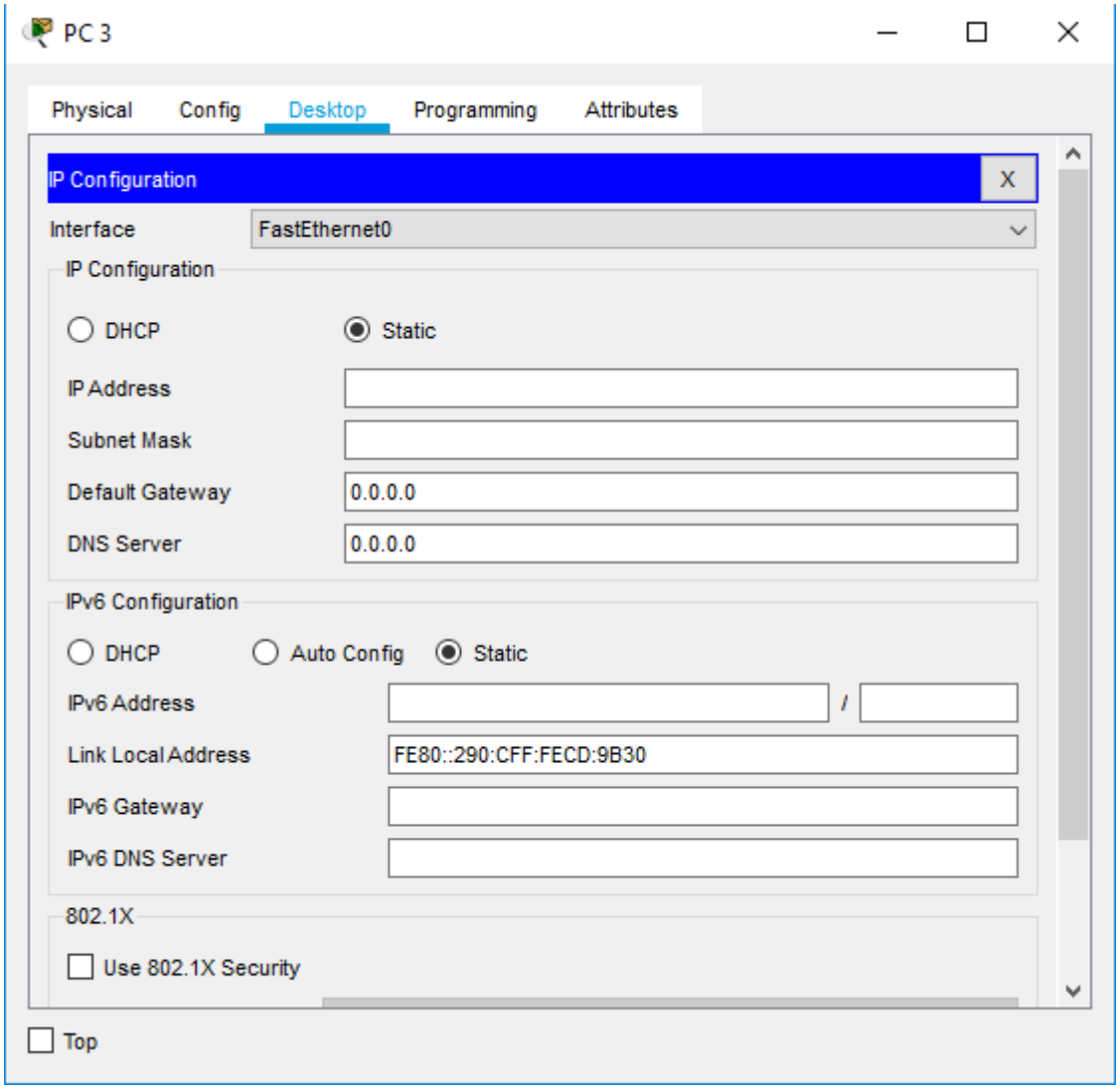


a. Lakukan konfigurasi IP address pada PC0 seperti yang telah di jelaskan dibagian sebelumnya

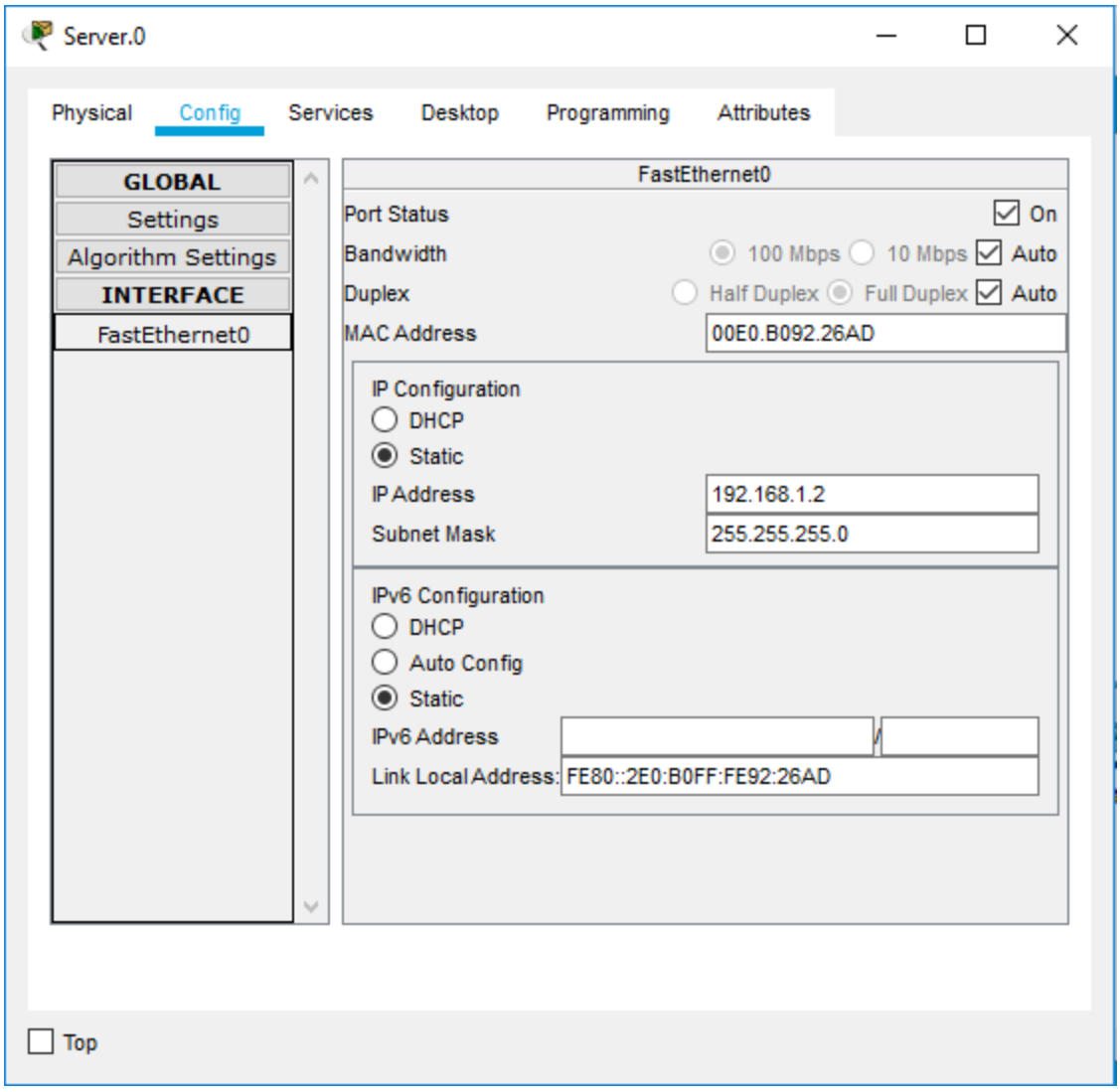

PC 0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
192.168.1.50
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
192.168.1.2
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::260:47FF:FE28:4CC4
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

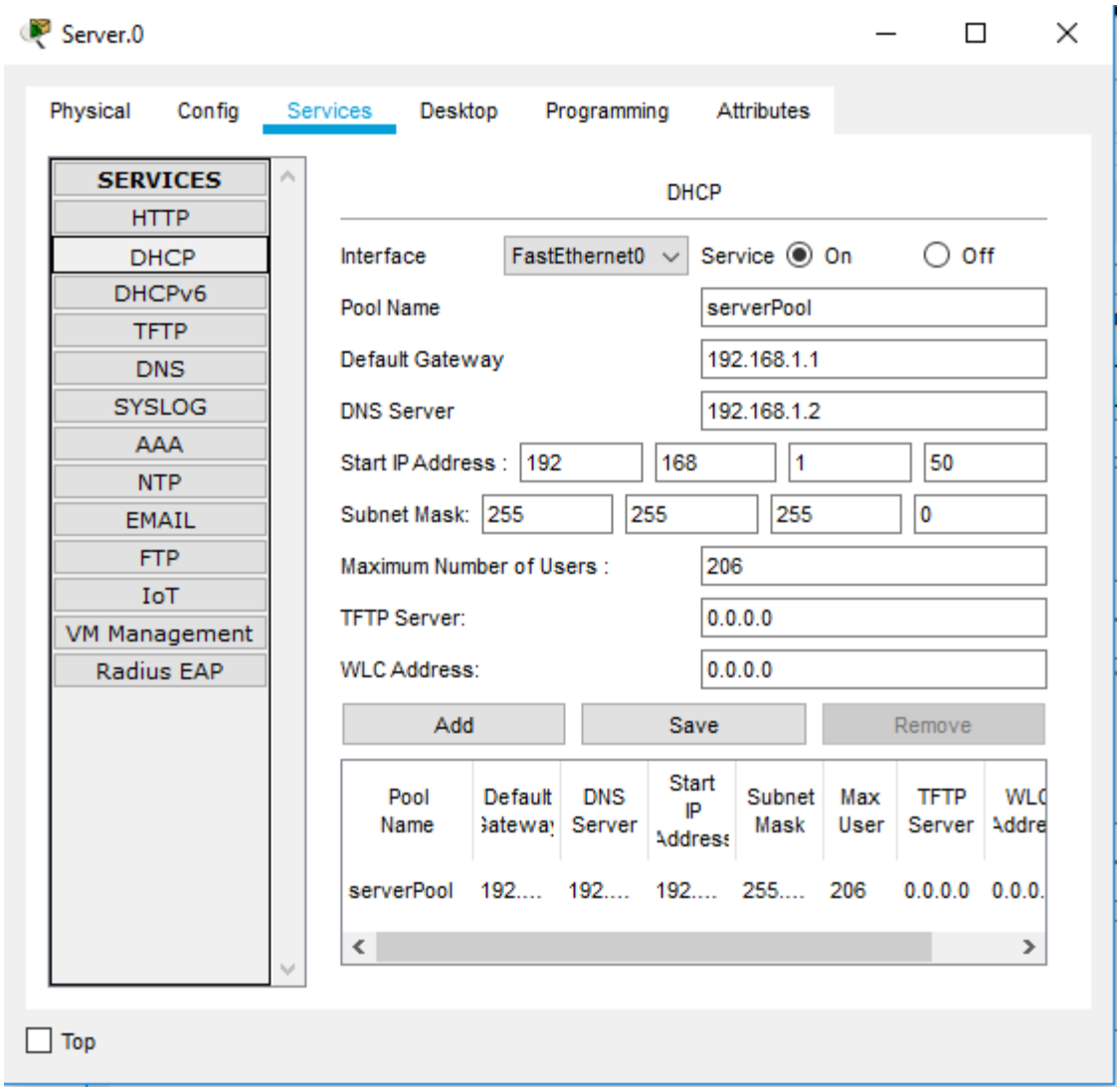

PC 1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
192.168.1.51
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
192.168.1.2
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::240:BFF:FE4C:B001
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

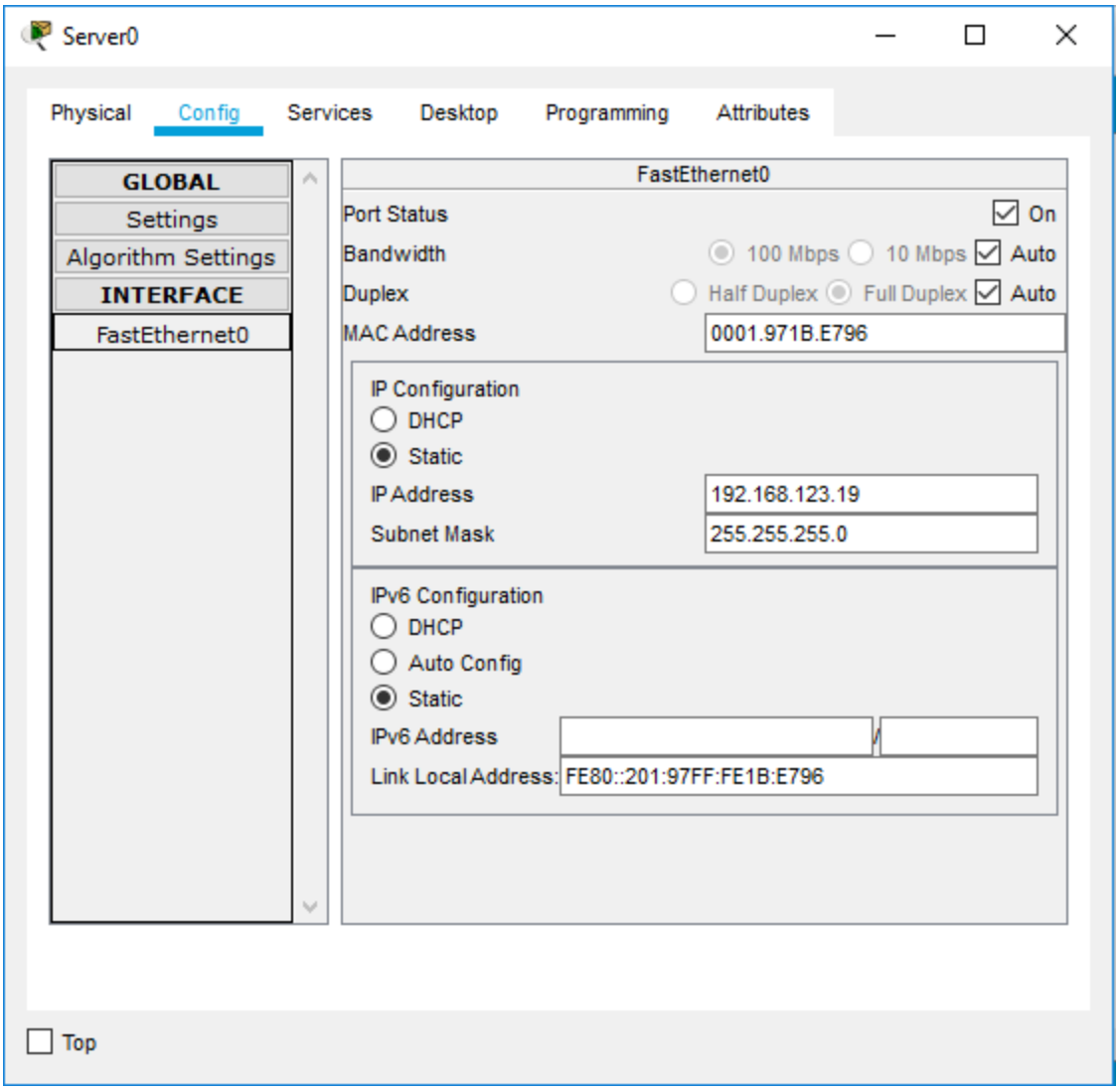

PC 2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
192.168.1.52
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.1
DNS Server
192.168.1.2
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::201:64FF:FE46:396A
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

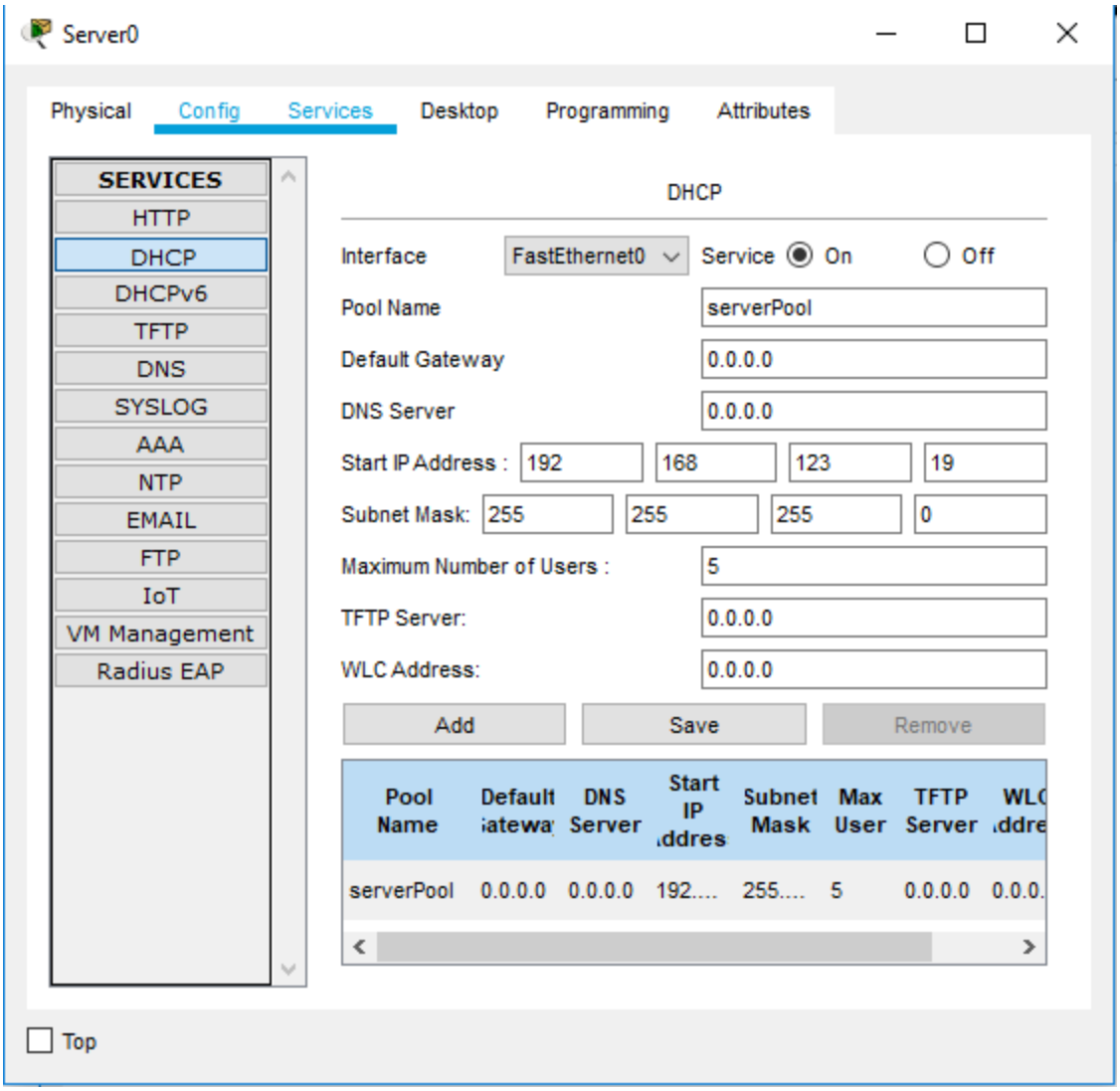


b. Lakukan konfigurasi IP addres pada Server0. Langkah-langkah mengkonfigurasi IP address untuk tipe Server-PT pada Cisco Paket Tracer sama dengan workstationnya (PC-PT)

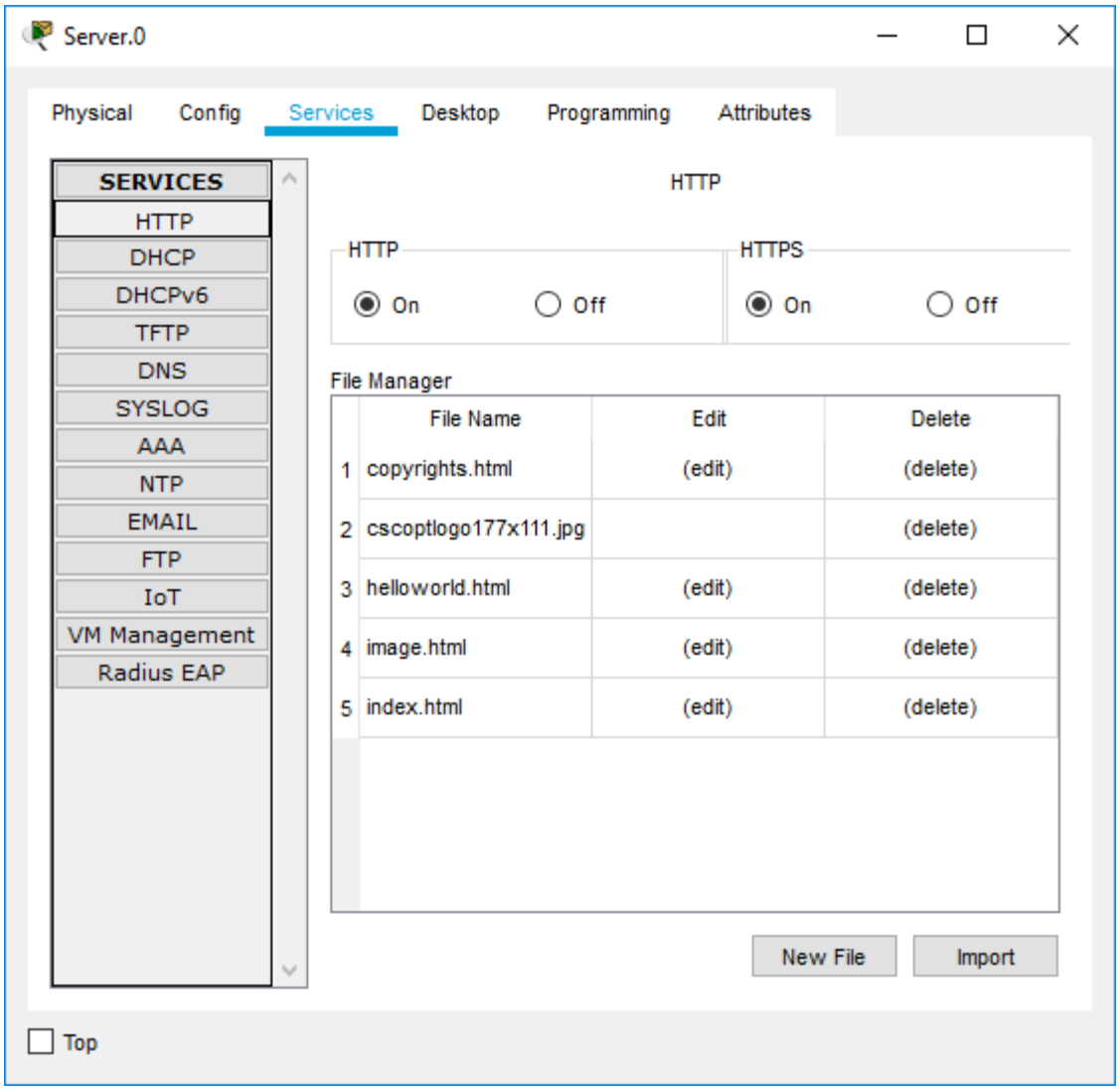

Server.0
Physical
Config
Services
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
FastEthernet0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
00E0.B092.26AD
IP Configuration
DHCP
Static
IP Address
192.168.1.2
Subnet Mask
255.255.255.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address:
FE80::2E0:B0FF:FE92:26AD
Top


Server.0
Physical
Config
Services
Desktop
Programming
Attributes
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
serverPool
Default Gateway
192.168.1.1
DNS Server
192.168.1.2
Start IP Address :
192
168
1
50
Subnet Mask:
255
255
255
0
Maximum Number of Users :
206
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....
192....
192....
255....
206
0.0.0.0
0.0.0.
Top

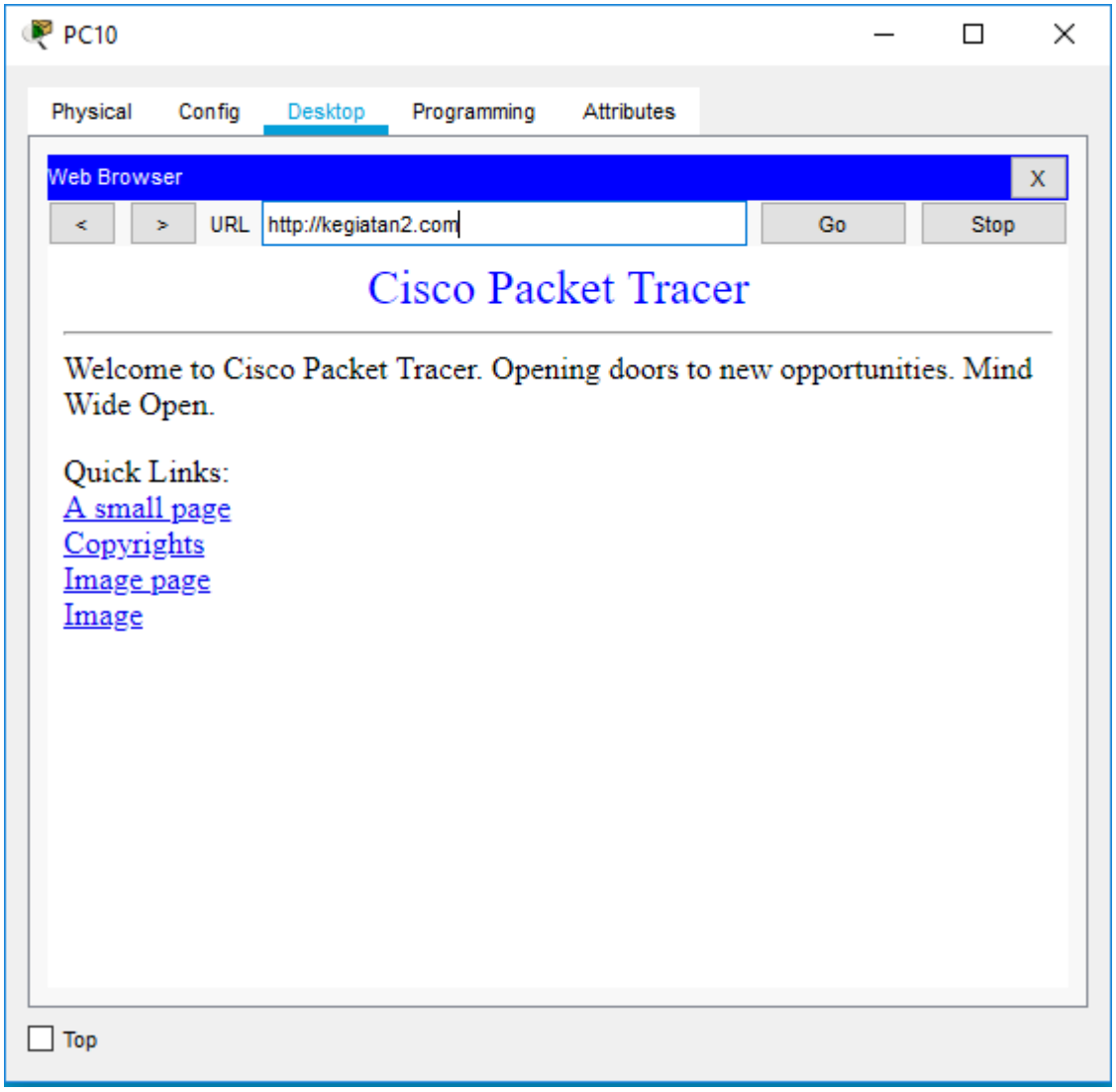

Server0
Physical
Config
Services
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
FastEthernet0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0001.971B.E796
IP Configuration
DHCP
Static
IP Address
192.168.123.19
Subnet Mask
255.255.255.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address:
FE80::201:97FF:FE1B:E796
Top



c. Double-klik Server0 sehingga jendela property Server0 muncul. Pindahkan ke tab Config. Pada menu kiri bagian Services, pilih HTTP. Pastikan radio button service HTTP pada pilihan On. Anda juga bias mengubah halaman homepage Server0

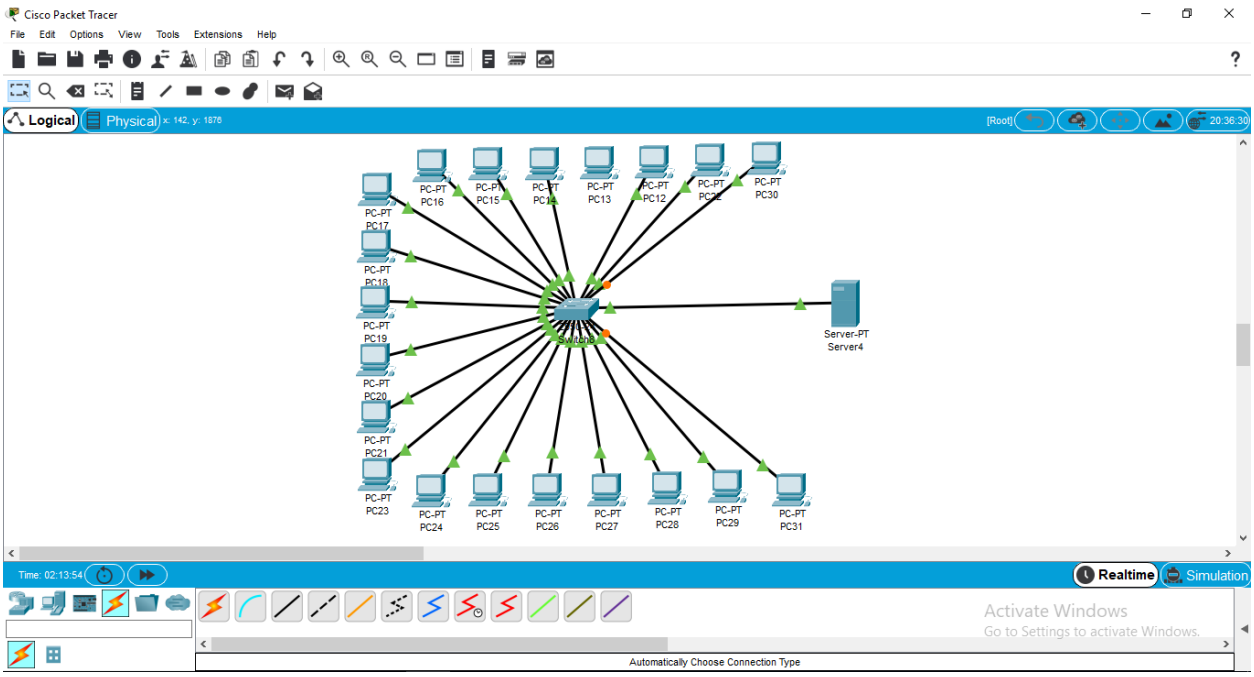


d. Melakukan browsing http

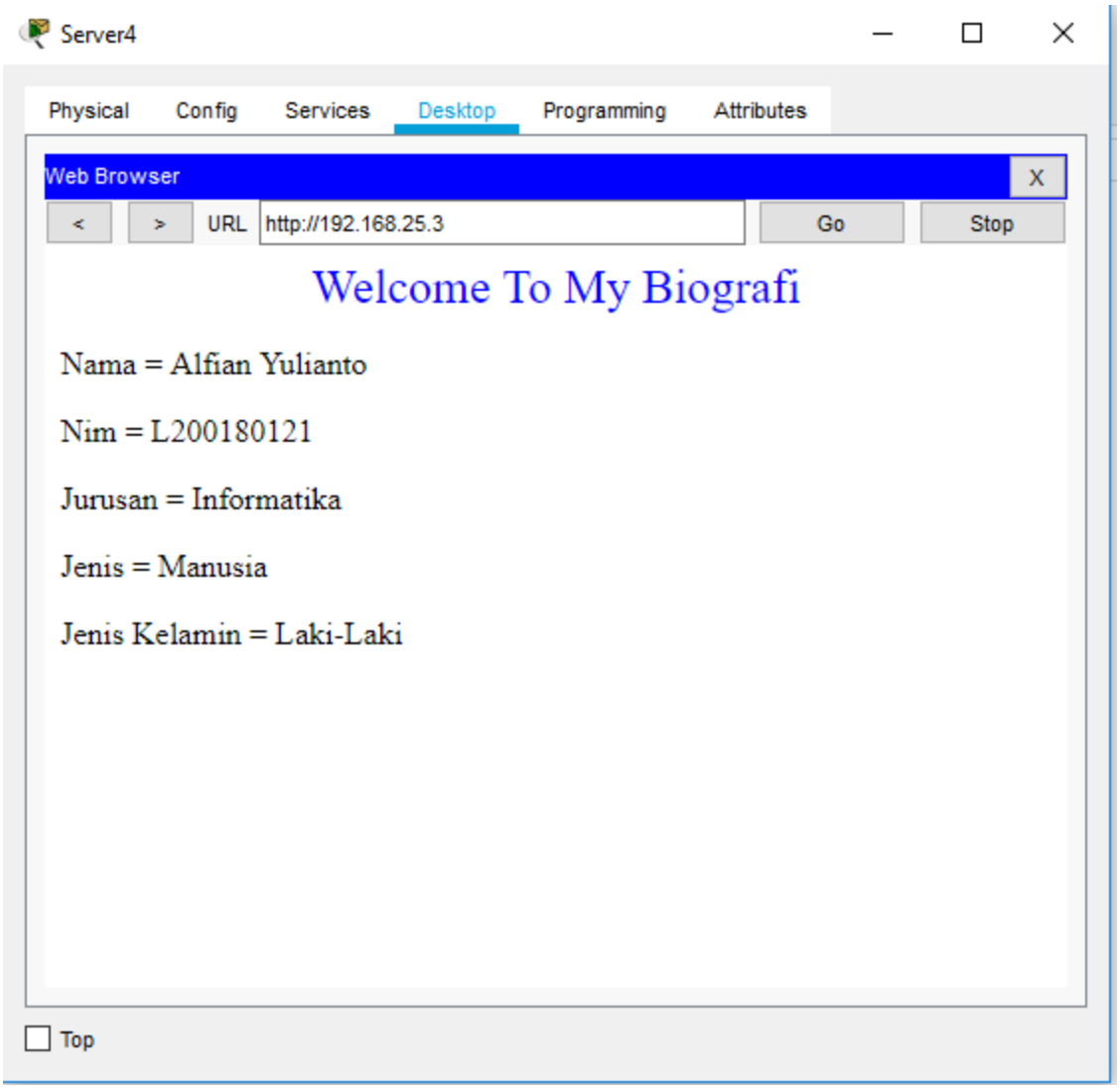


Tugas

1. Buatlah DHCP server dengan packet tracer denganclient terdiri dari 20 pc



2. Buatlah web server pada packet tracer. Dengan mengubah tampilan pada web tersebut. Dengan isi:
   a. Nama
   b. Nim
   c. Alamat
   d. Jurusan
   e. Jenis
   f. Jenis kelamin


Server4
Physical
Config
Services
Desktop
Programming
Attributes
Web Browser
X
<
>
URL
http://192.168.25.3
Go
Stop
Welcome To My Biografi
Nama = Alfian Yulianto
Nim = L200180121
Jurusan = Informatika
Jenis = Manusia
Jenis Kelamin = Laki-Laki
Top