

# **COMPUTER NETWORKS**

## **PRACTICUM 5**



**By:**

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**NIM: L200183043**

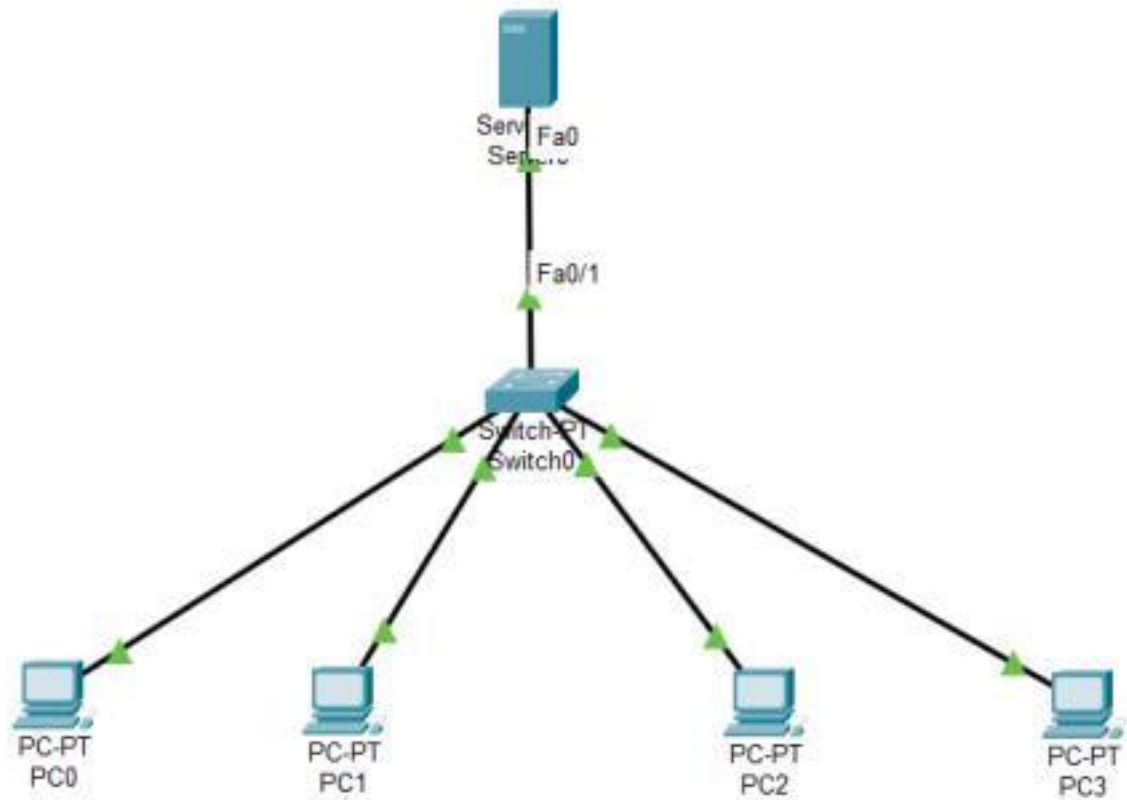
**INFORMATION TECHNOLOGY**

**FACULTY OF COMMUNICATION AND INFORMATICS**

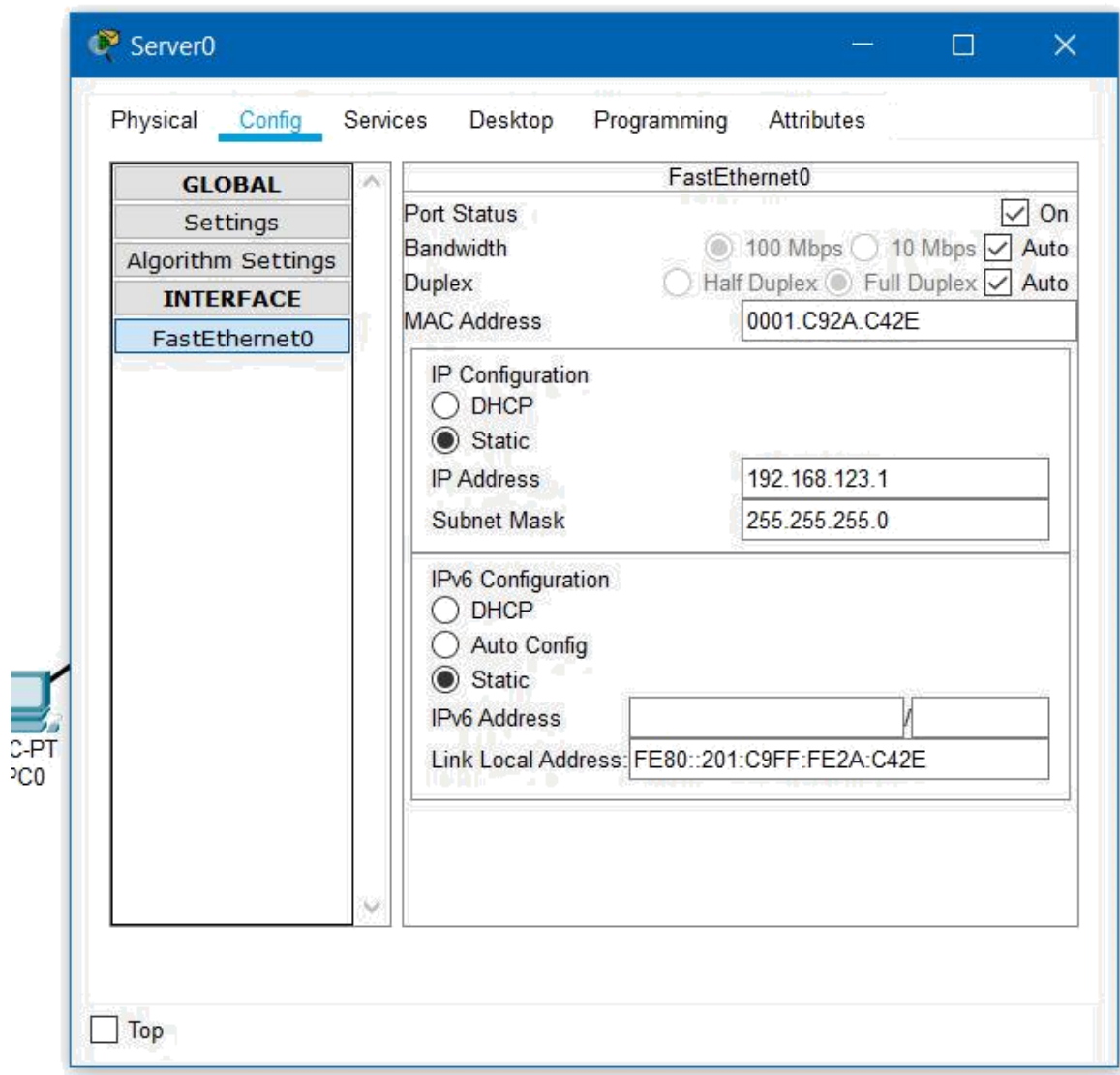
**UNIVERSITY OF MUHAMMADIYAH SURAKARTA**

**2020**

## 1. Activity 1



Picture 1.1. Set of DHCP Server



Picture 1.2. Configuration of IP address

Server0

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

0.0.0.0

DNS Server

0.0.0.0

Start IP Address

192

168

123

19

Subnet Mask

255

255

255

0

Maximum Number of Users :

5

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

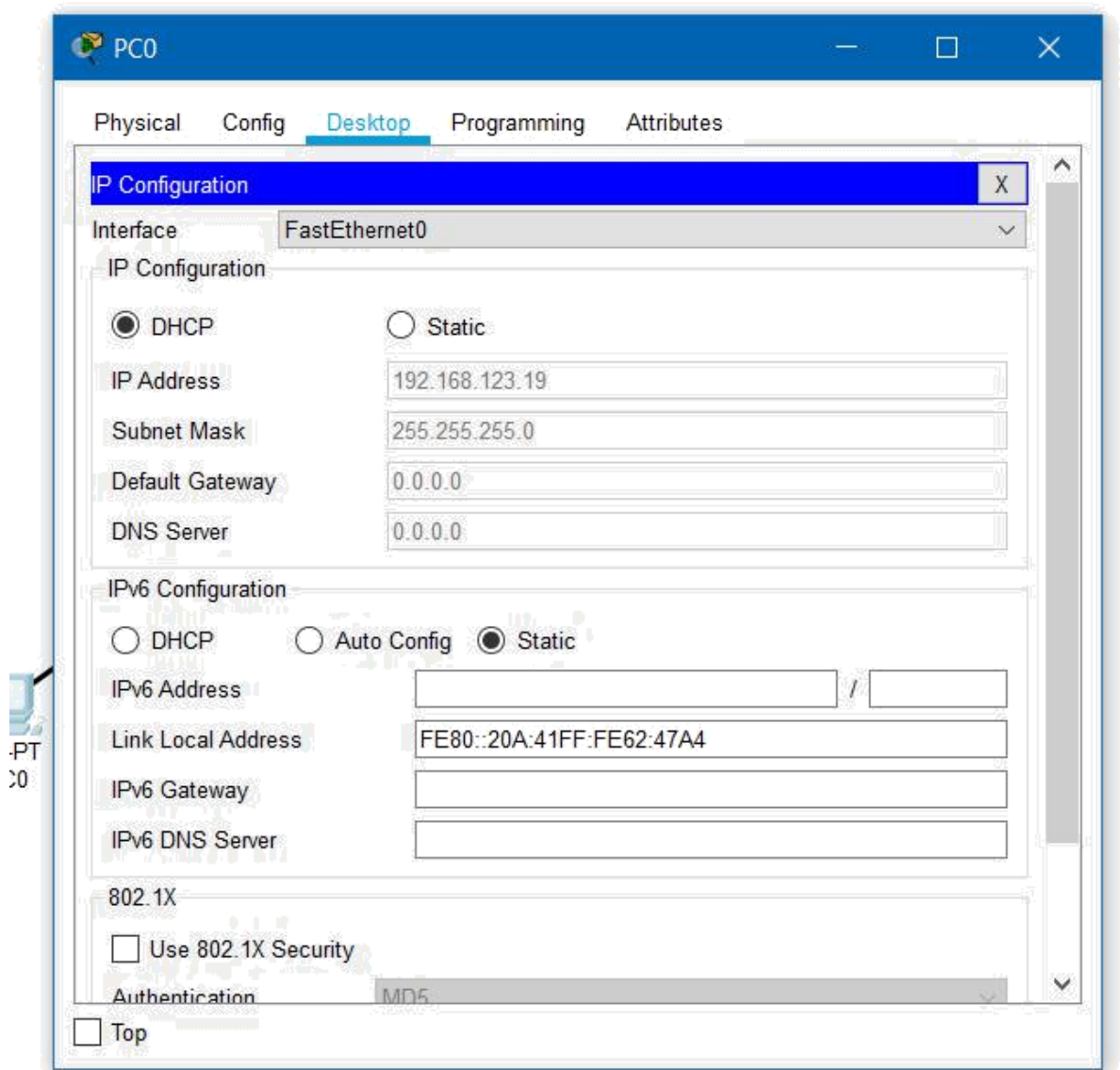
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192....	255....	5	0.0.0.0	0.0.0.0

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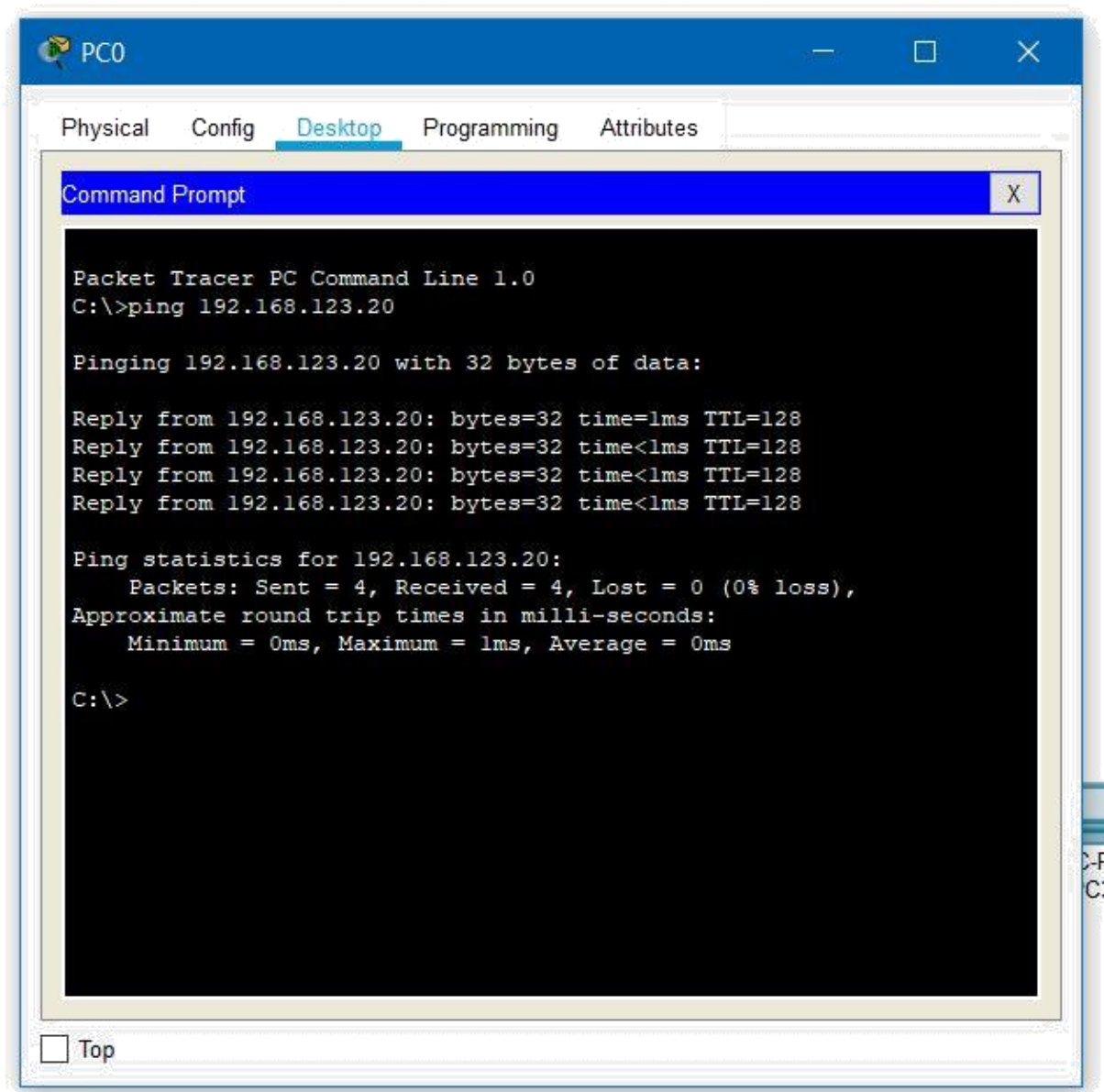
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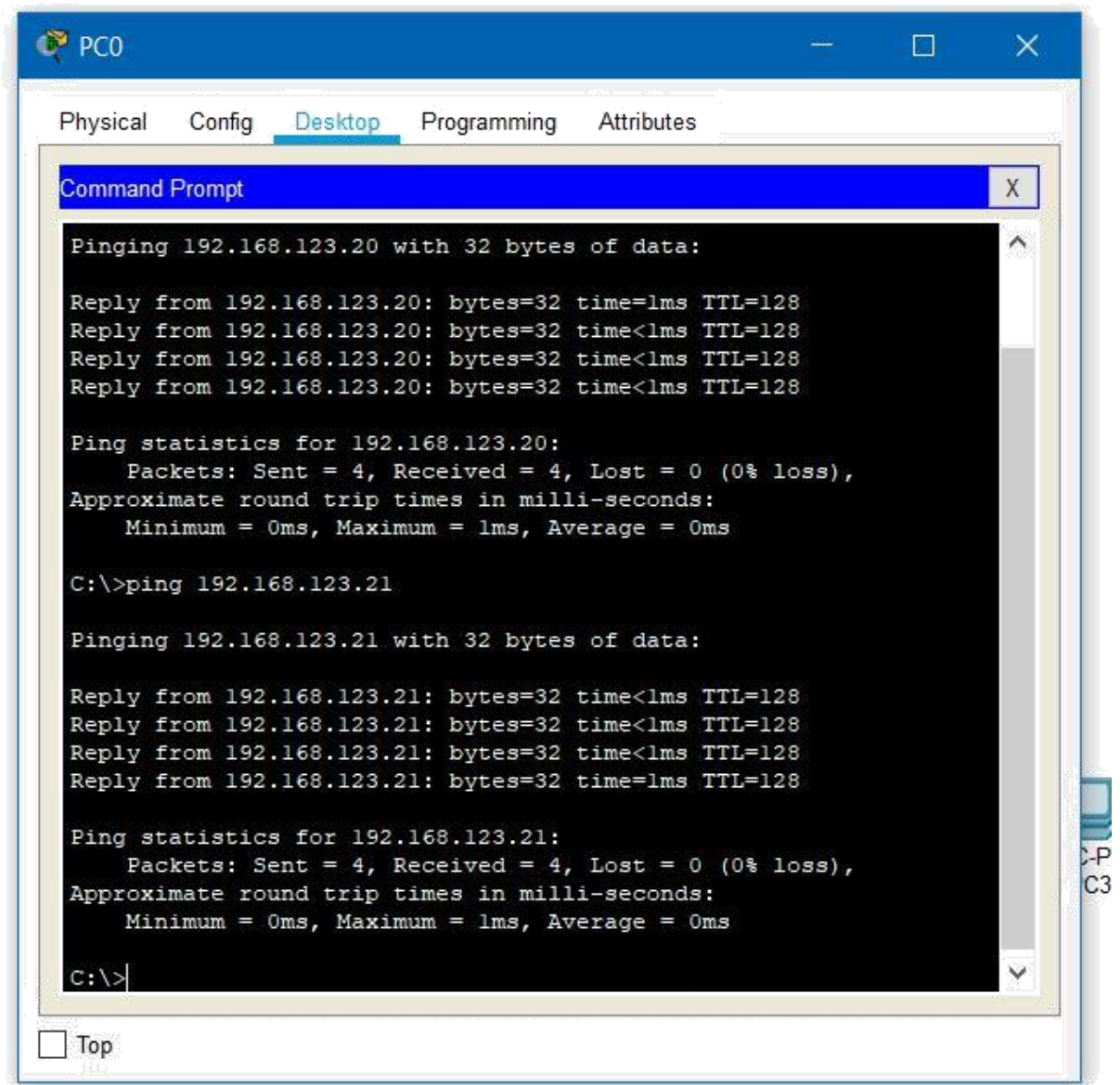
Picture 1.3. Configuration of DHCP Server



Picture 1.4. Configuration result from PC0

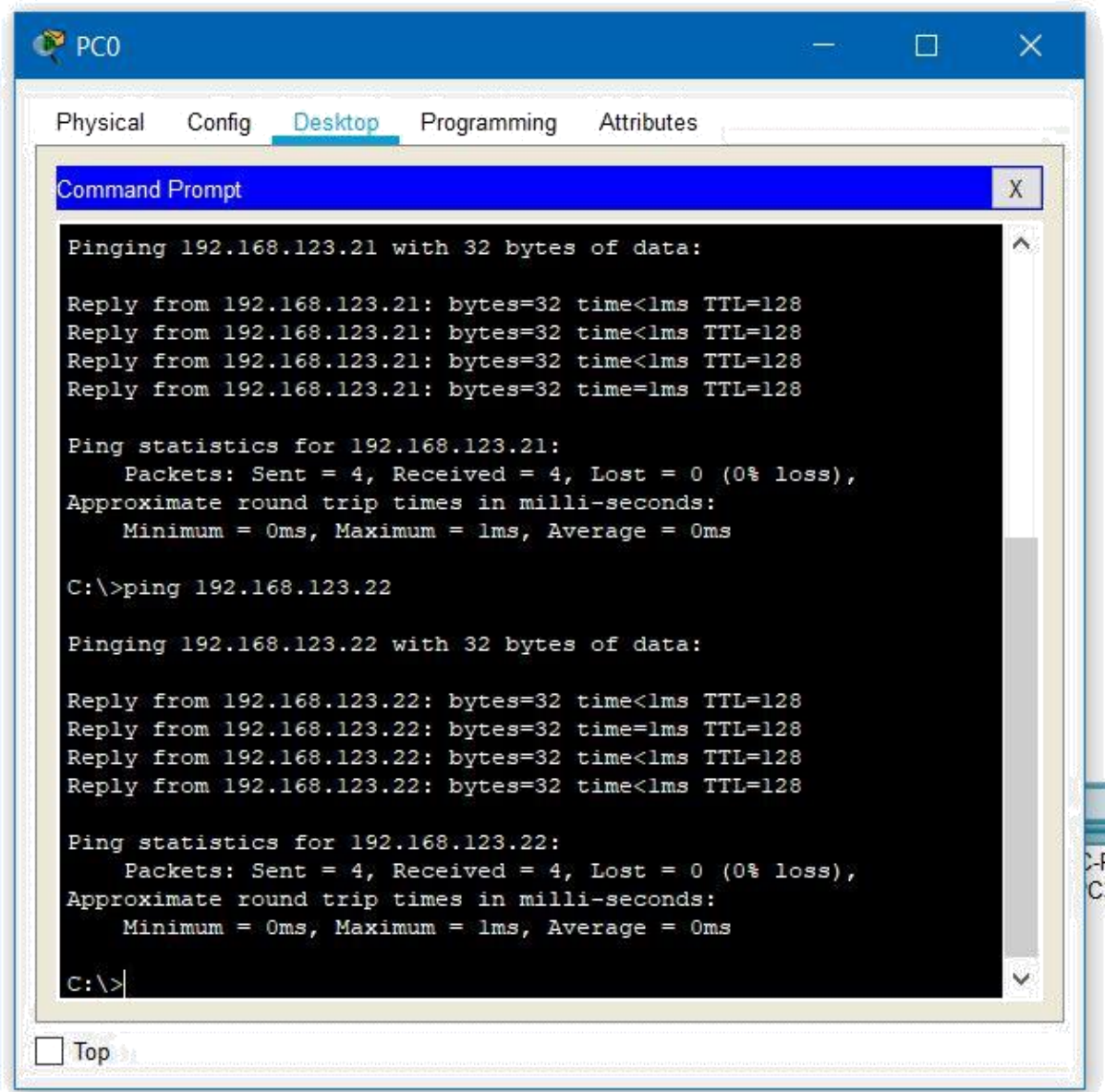


Picture 1.5. Pinging from PC0 to PC1



Picture 1.6. Pinging from PC0 to PC2

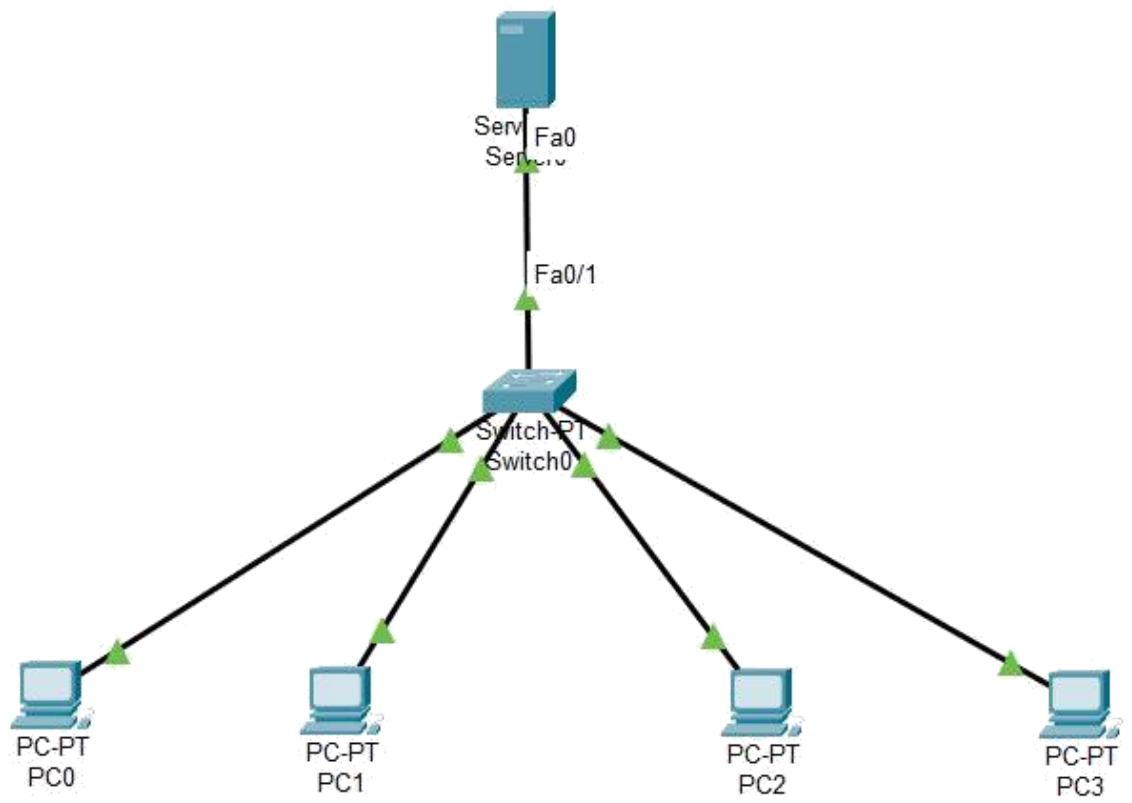




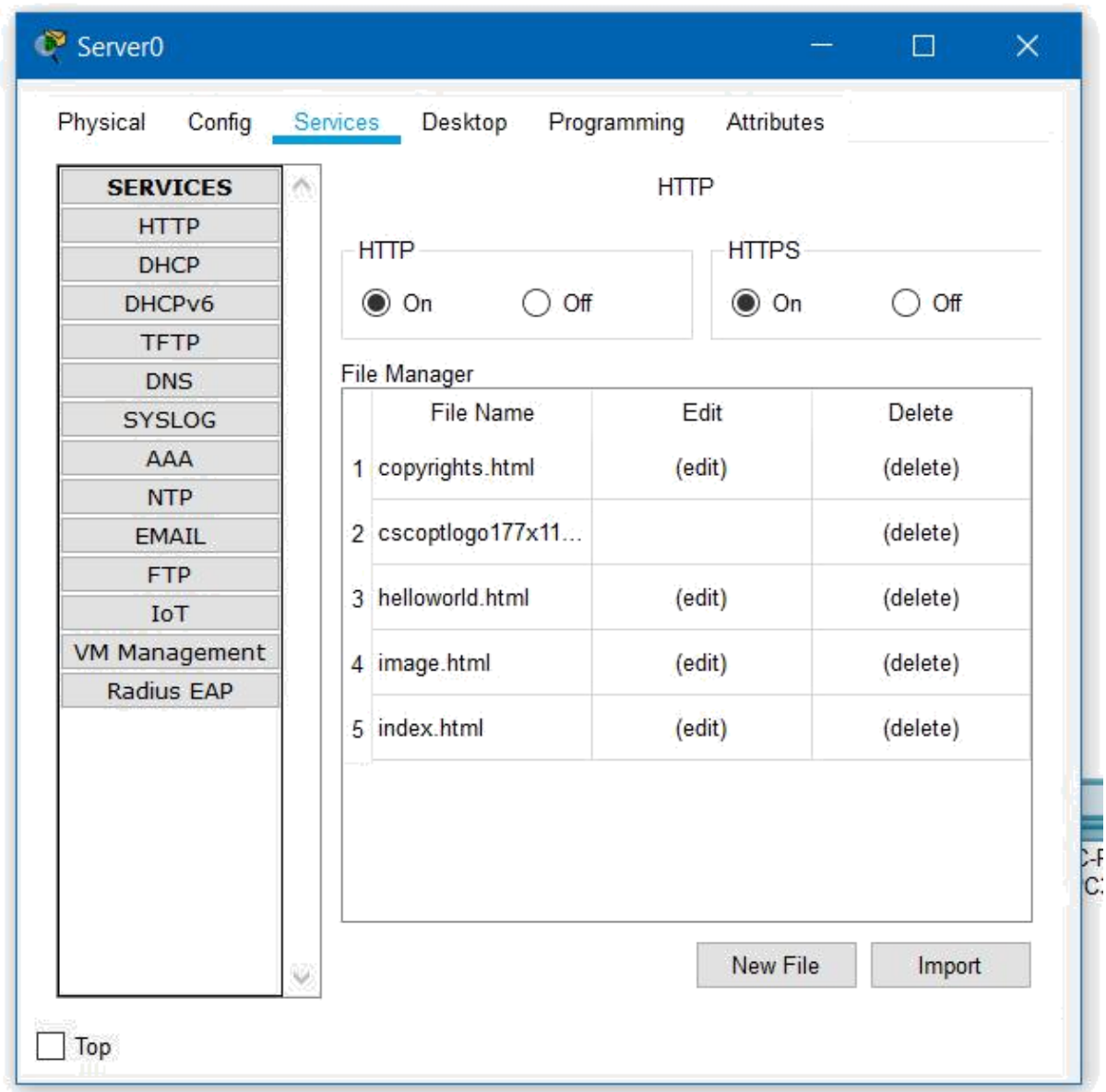
Picture 1.6. Pinging from PC0 to PC3

## 2. Activity 2

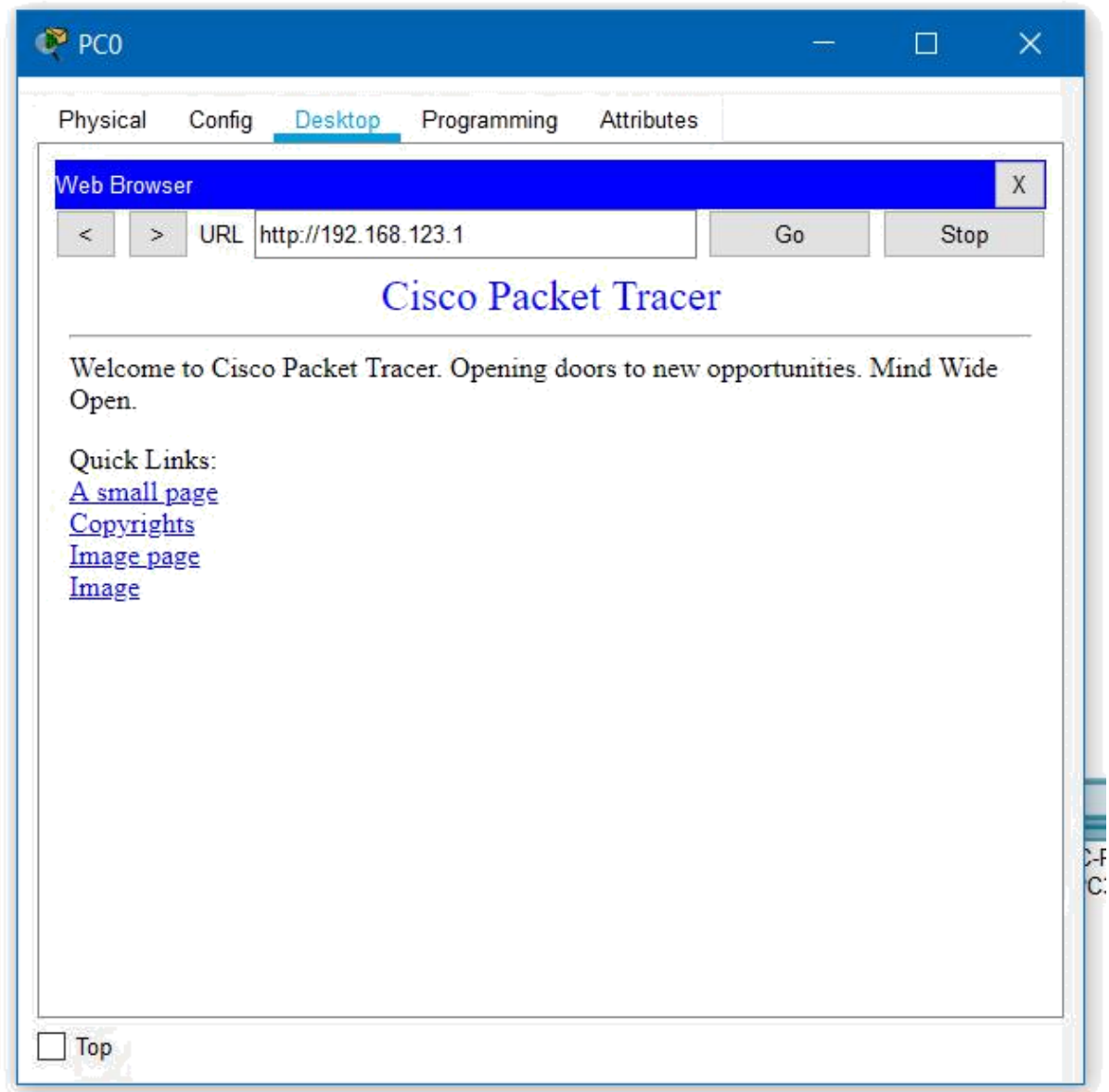




Picture 2.1. Set of DHCP Server

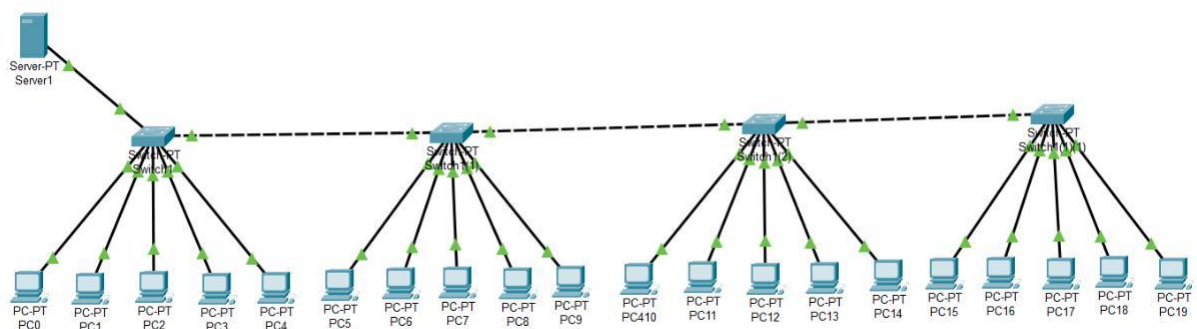


Picture 2.2. HTTP Configuration

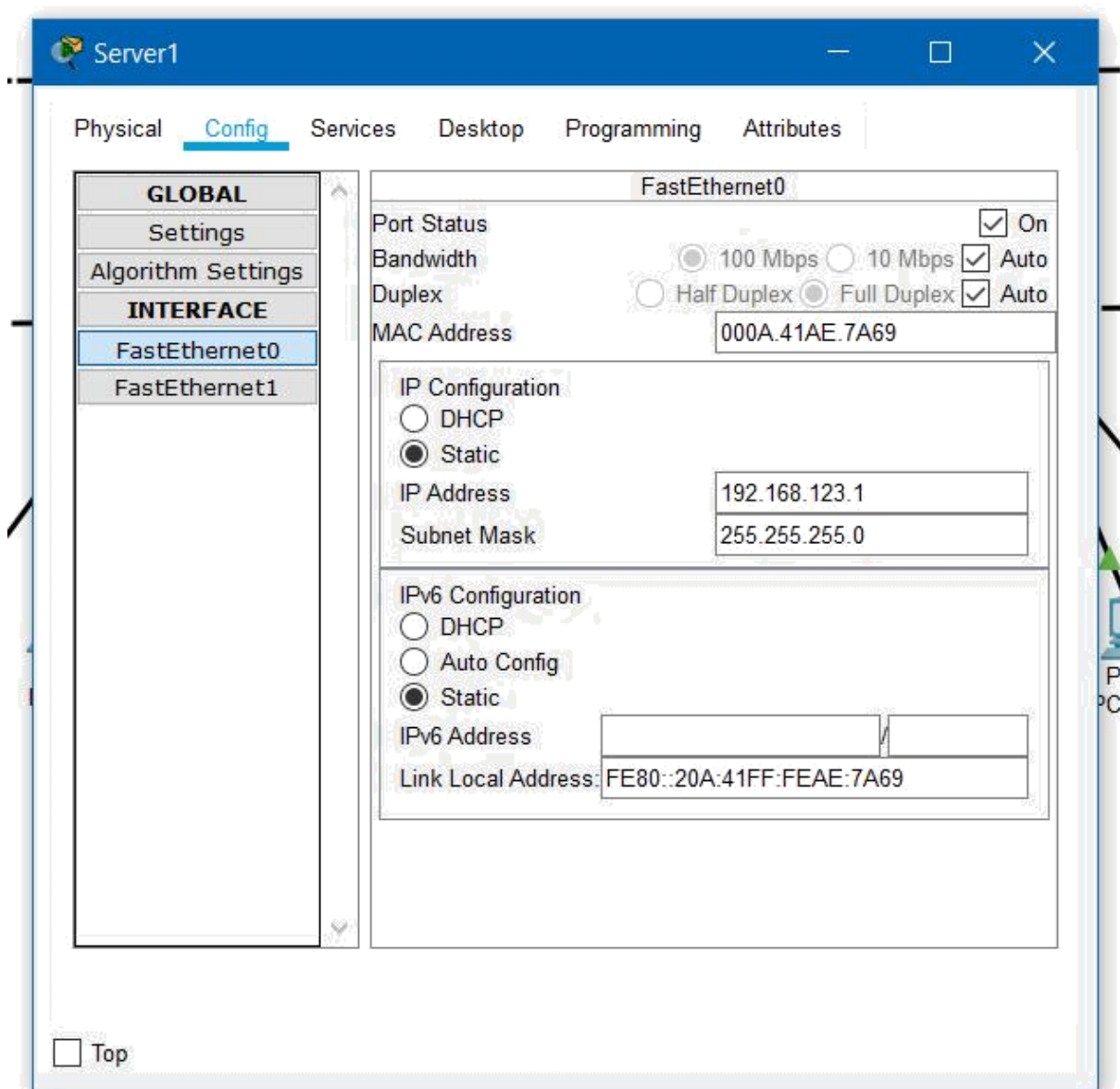


Picture 2.3. Result of Server IP Address

### 3. Assignment



Picture 3.1. Set of DHCP server



Picture 3.2. IP address configuration

Server1

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

0.0.0.0

DNS Server

0.0.0.0

Start IP Address

192

168

123

0

Subnet Mask:

255

255

255

0

Maximum Number of Users :

21

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	0.0.0.0	0.0.0.0	192.168.123.0	255.255.255.0	21	0.0.0.0	0.0.0.0

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Picture 3.3. DHCP server configuration

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20C:CFFF:FEBA:CCA0

IPv6 Gateway

IPv6 DNS Server

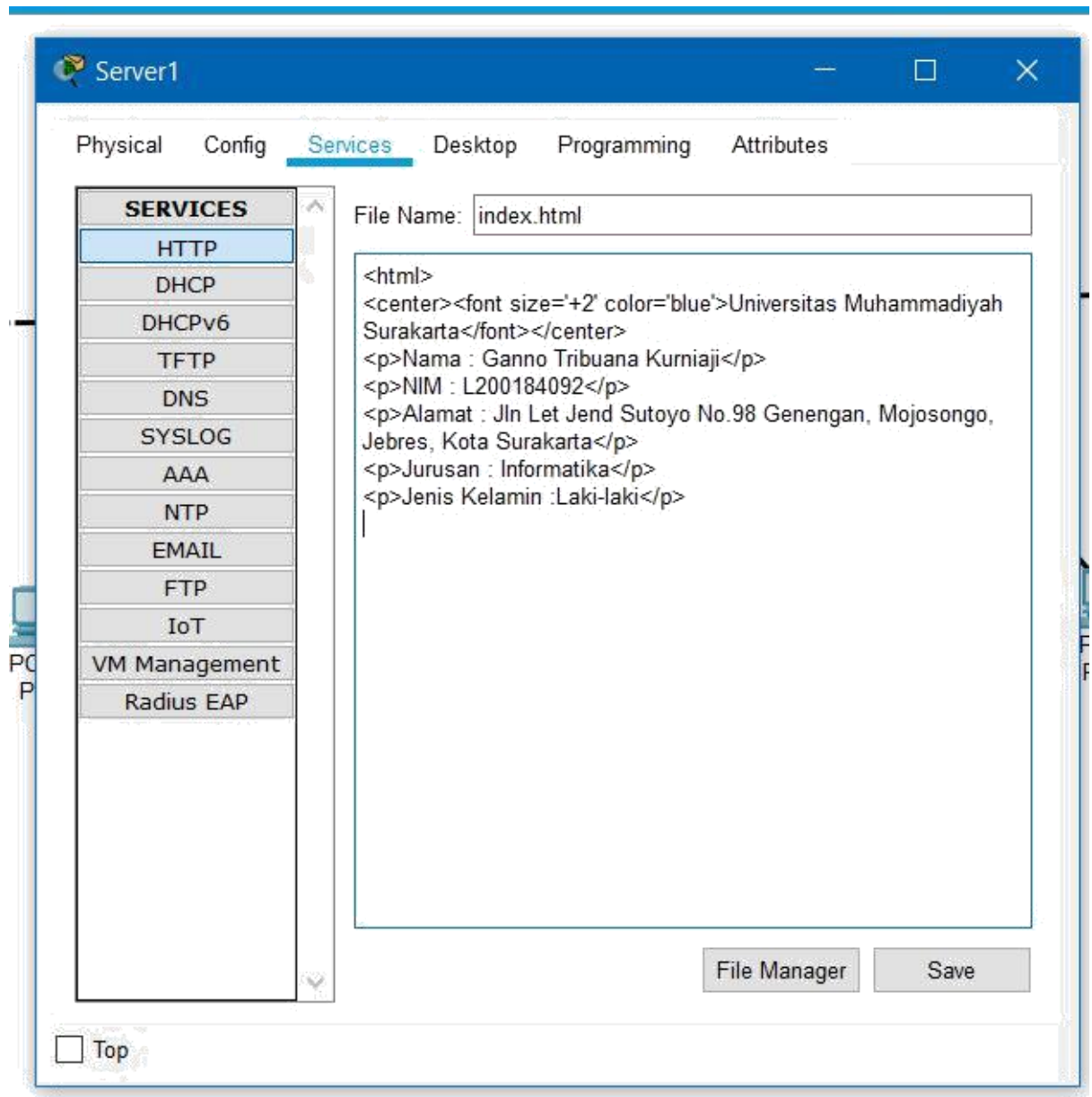
802.1X

☐ Use 802.1X Security

Authentication MD5

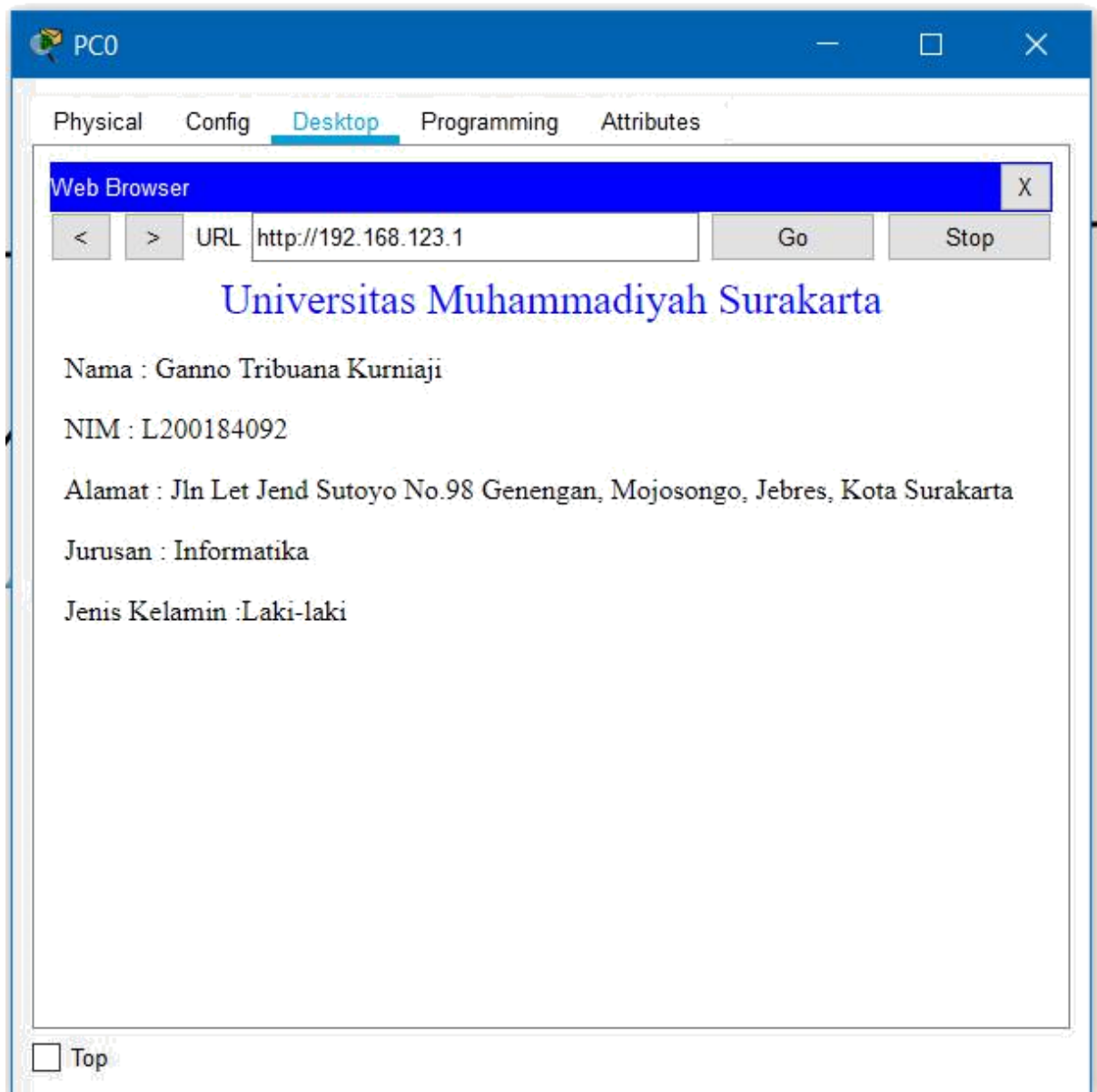
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Picture 3.4. IP address configuration



Picture 3.5. Editing the HTML





Picture 3.6. Result of HTML