



# **NATIONAL UNIVERSITY OF MODERN LANGUAGES**

## **Computer Networks lab Report - 4**

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**PROGRAM: BSSE (5th Semester)**

**COURSE: Computer Networks**

**SUBMITTED TO: Mam Anam Taskeen**

**DATE: 15, Sep 2025**

**DAY: Monday**

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.10

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

PC5

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.11

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FE16:C032

Default Gateway

DNS Server

PC6

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☒ Static

IPv4 Address 192.168.2.10

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☒ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::290:21FF:FE04:8911

Default Gateway

DNS Server

802.1X

PC7

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☒ Static

IPv4 Address 192.168.2.11

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 0.0.0.0

IPv6 Configuration

☒ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::210:11FF:FE61:184C

Default Gateway

DNS Server

802.1X

☒ Use 802.1X Security

Authentication MD5

Username

Password

```

Router>enable
Router#confi
Router#configure ter
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#in
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/1
Router(config-if)#ip ad
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no sh
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#inter
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/2
%Invalid interface type and number
Router(config)#inter
Router(config)#interface gi
Router(config)#interface gigabitEthernet 0/0
Router(config-if)#ip add
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
exit
Router(config)#

```

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC4	PC5	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC6	PC7	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC5	PC4	ICMP		0.000	N	2	(edit)	(delete)

