



Computer Networking lab

LAB 04

Course Code: CSE 314

Submitted to:

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Submitted by:

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Section: PC-A

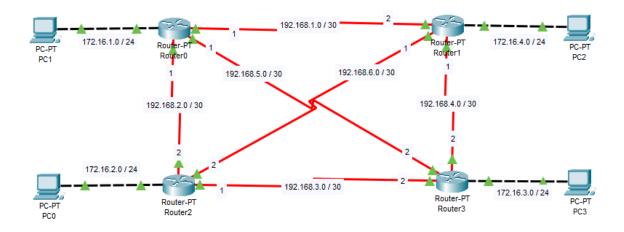
Department of CSE

Daffodil International University

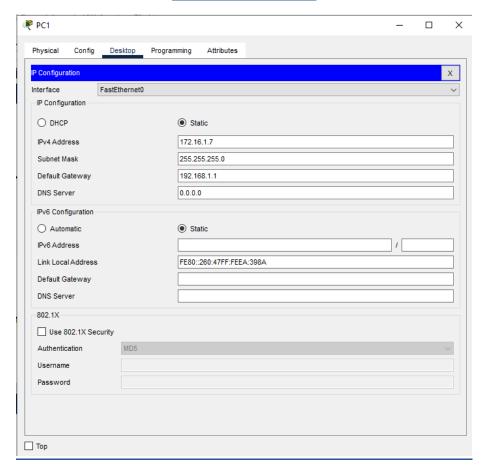
Date of Submission: 9/15/2022



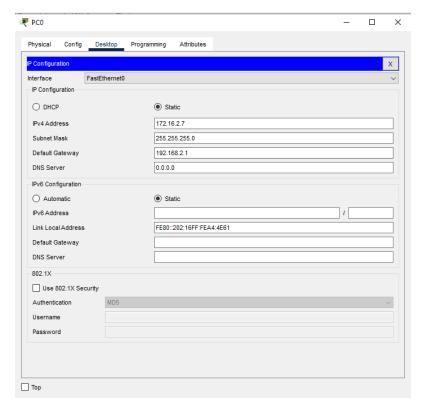
Diagram



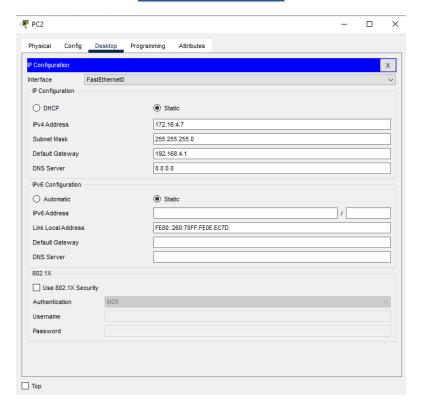
1st Pc Ip Address



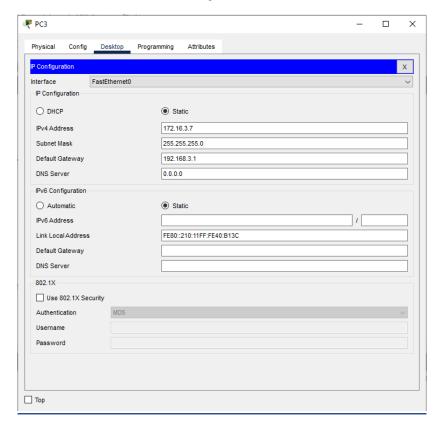
2nd Pc Ip Address



3rd Pc Ip Address



4th Pc Ip Address



Coding part

Router-01

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>ena

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int f0/0

Router(config-if)#ip add 172.16.1.1 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int s2/0

Router(config-if)#ip add 192.168.2.1 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ex

Router(config)#int s6/0

Router(config-if)#ip add 192.168.5.1 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial6/0, changed state to down

Router(config-if)#ex

Router(config)#int s3/0

Router(config-if)#ip add 192.168.1.1 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#router ospf 7

Router(config-router)#network 172.16.1.0 0.0.0.255 area 0

Router(config-router)#network 192.168.1.0 0.0.0.255 area 0

Router(config-router)#network 192.168.5.0 0.0.0.255 area 0

Router(config-router)#network 192.168.2.0 0.0.0.255 area 0

Router(config-router)#ex

Router(config)#ex

Router#

%SYS-5-CONFIG I: Configured from console by console

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router-02

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>ena

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int f0/0

Router(config-if)#ip add 172.16.2.1 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int s2/0

Router(config-if)#ip add 192.168.2.2 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#int s6/0

Router(config-if)#ip add 192.168.6.2 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial6/0, changed state to down

Router(config-if)#ex

Router(config)#int s3/0

Router(config-if)#ip add 192.168.3.1 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#router ospf 7

Router(config-router)#network 172.16.2.0 0.0.0.255 area 0

Router(config-router)#network 192.168.2.0 0.0.0.255 area 0

Router(config-router)#network 192.168.3.0 0.0.0.255 area 0

Router(config-router)#network 192.168.6.0 0.0.0.255 area 0

Router(config-router)#ex

Router(config)#ex

Router#

%SYS-5-CONFIG_I: Configured from console by console

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router-03

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>ena

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int f0/0

Router(config-if)#ip add 172.16.3.1 255.255.255.0

Router(config-if)#no shut

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int s3/0

Router(config-if)#ip add 192.168.3.2 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#int s6/0

Router(config-if)#ip add 192.168.5.2 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#int s6/0

Router(config-if)#ip add 192.168.4.2 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ex

Router(config)#router ospf 7

Router(config-router)#network 172.16.3.0 0.0.0.255 area 0

Router(config-router)#network 192.168.3.0 0.0.0.255 area 0

Router(config-router)#network 192.168.5.0 0.0.0.255 area 0

Router(config-router)#network 192.168.4.0 0.0.0.255 area 0

Router(config-router)#ex

Router(config)#ex

Router#

%SYS-5-CONFIG_I: Configured from console by console

copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router-04

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Router>ena

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int f0/0

Router(config-if)#ip add 172.16.4.1 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int s2/0

Router(config-if)#ip add 192.168.1.2 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config)#int s6/0

Router(config-if)#ip add 192.168.6.1 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#int s3/0

Router(config-if)#ip add 192.168.4.1 255.255.255.252

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#router ospf

% Incomplete command.

Router(config)#router ospf 7

Router(config-router)#network 172.16.4.0 0.0.0.255 area 0

Router(config-router)#network 192.168.4.0 0.0.0.255 area 0

Router(config-router)#network 192.168.6.0 0.0.0.255 area 0

Router(config-router)#network 192.168.1.0 0.0.0.255 area 0

Router(config-router)#ex

Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console
copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Router#

Packet transfer

