Heaven's Light is Our Guide



Computer Science And Engineering

Rajshahi University of Engineering and Technology

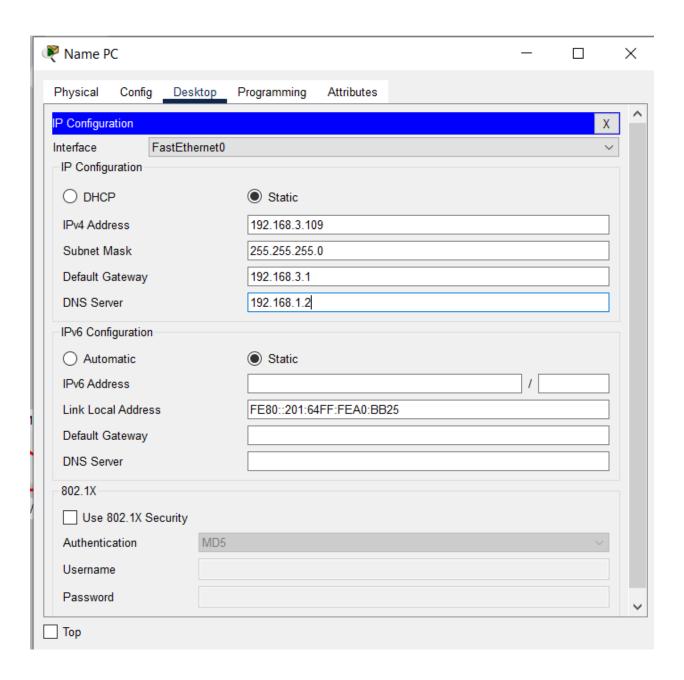
Course No: CSE3206

Course Title: Computer Network

Date of Submission: 17-12-22

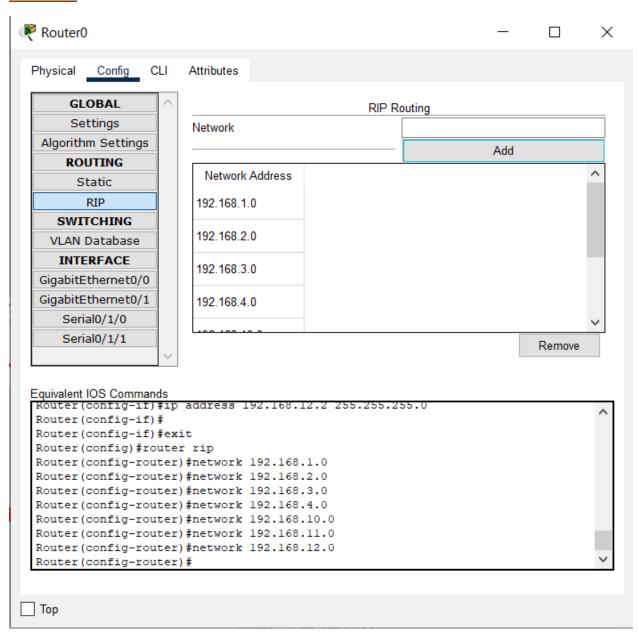
Submitted To	Submitted By
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Rajshahi University Of Engineering	Engineering
And Technology	Rajshahi University Of Engineering
	And Technology

1. last octate of the IP address of "Name PC" is the last 3 digits of my roll number (Static Host)

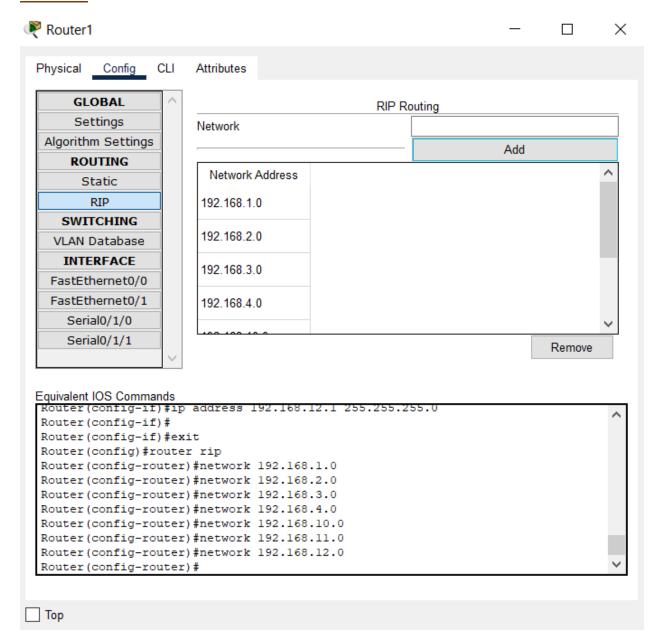


2. Use Dynamic Routing for the connection:

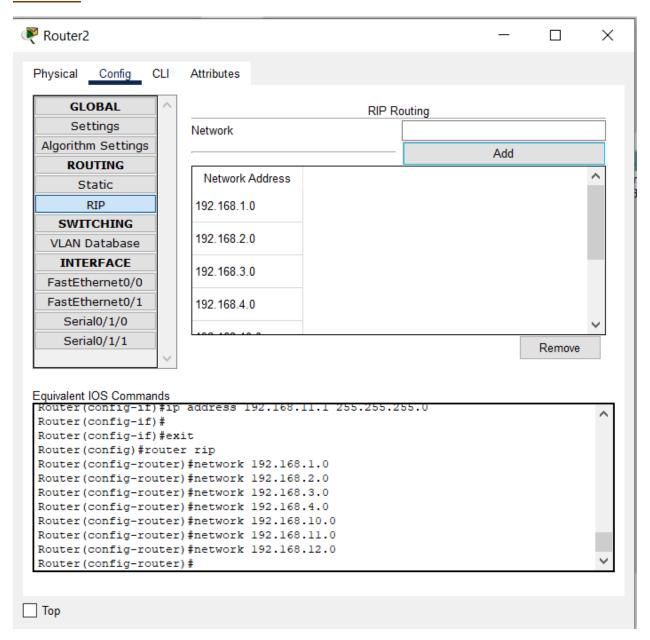
Router0:



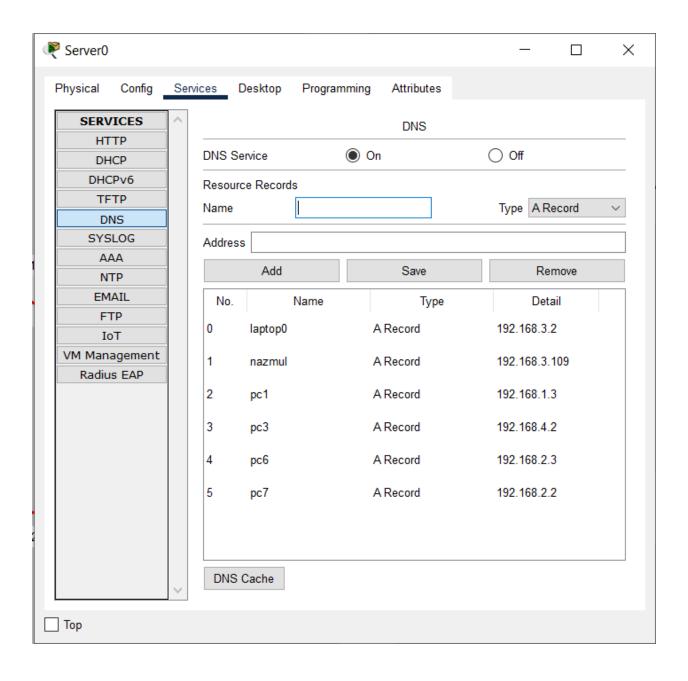
Router1:



Router2:



3. Assign the DNS name to "Name PC" as my Name.



i)Finding Nazmul pc from laptop0(DNS):

```
C:\>ping nazmul

Pinging 192.168.3.109 with 32 bytes of data:

Reply from 192.168.3.109: bytes=32 time<lms TTL=128

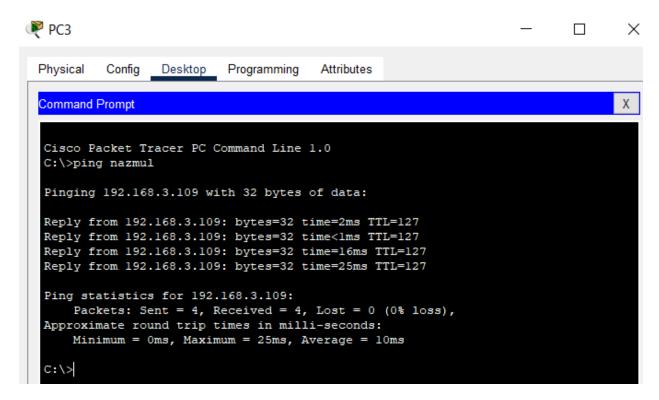
Ping statistics for 192.168.3.109:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms
```

ii) Finding nazmul pc from pc3(DNS):



4. Assign IP addresses to all the host by DHCP except "Name PC".

Router0:

Router1(Fa0/0):

```
Router>en
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #int Fa0/0
Router(config-if) #ip address 192.168.2.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) #exit
Router(config) #
```

```
Router>en
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int Fa0/0
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#ip dhcp pool up
Router(dhcp-config)#default-router 192.168.2.1
Router(dhcp-config)#network 192.168.2.0 255.255.255.0
Router(dhcp-config)#no shutdown

^
% Invalid input detected at '^' marker.

Router(dhcp-config)#exit
Router(config)#
Router(config)#
```

For generating ip for different network from server:

```
Router(config) #int Fa0/0
Router(config-if) #ip helper-address 192.168.1.2
Router(config-if) #no shutdown
Router(config-if) #exit
Router(config) #
```

Router2(Fa0/1):

```
Router>en
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int Fa0/1
Router(config-if) #ip address 192.168.3.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) #exit
Router(config)#
 - -----
Router(config) #ip dhcp pool right
Router (dhcp-config) #default-router 192.168.3.1
Router(dhcp-config) #network 192.168.3.0 255.255.255.0
Router (dhcp-config) #dns-server 192.168.1.2
Router (dhcp-config) #no shutdown
% Invalid input detected at '^' marker.
Router (dhcp-config) #exit
Router (config) #
```

Router2(Fa0/0):

```
Router(config) #int Fa0/0
Router(config-if) #ip address 192.168.4.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) #exit

Router(config) #ip dhcp pool down
Router(dhcp-config) #default-router 192.168.4.1
Router(dhcp-config) #network 192.168.4.0 255.255.255.0
Router(dhcp-config) #dns-server 192.168.1.2
Router(dhcp-config) #no shutdown

* Invalid input detected at '^' marker.

Router(dhcp-config) #exit
Router(config) #
Router(config) #
```

Discussion: All connections work successfully. I attached that screenshot below:

