

DCCN LAB ISE

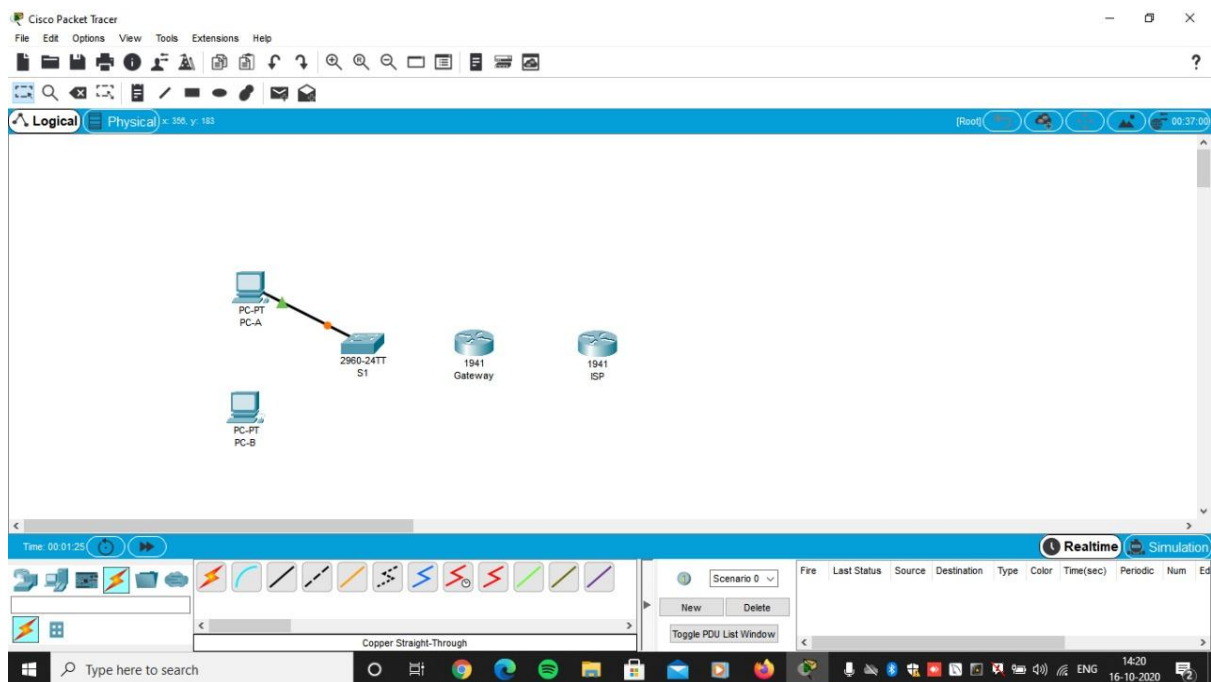
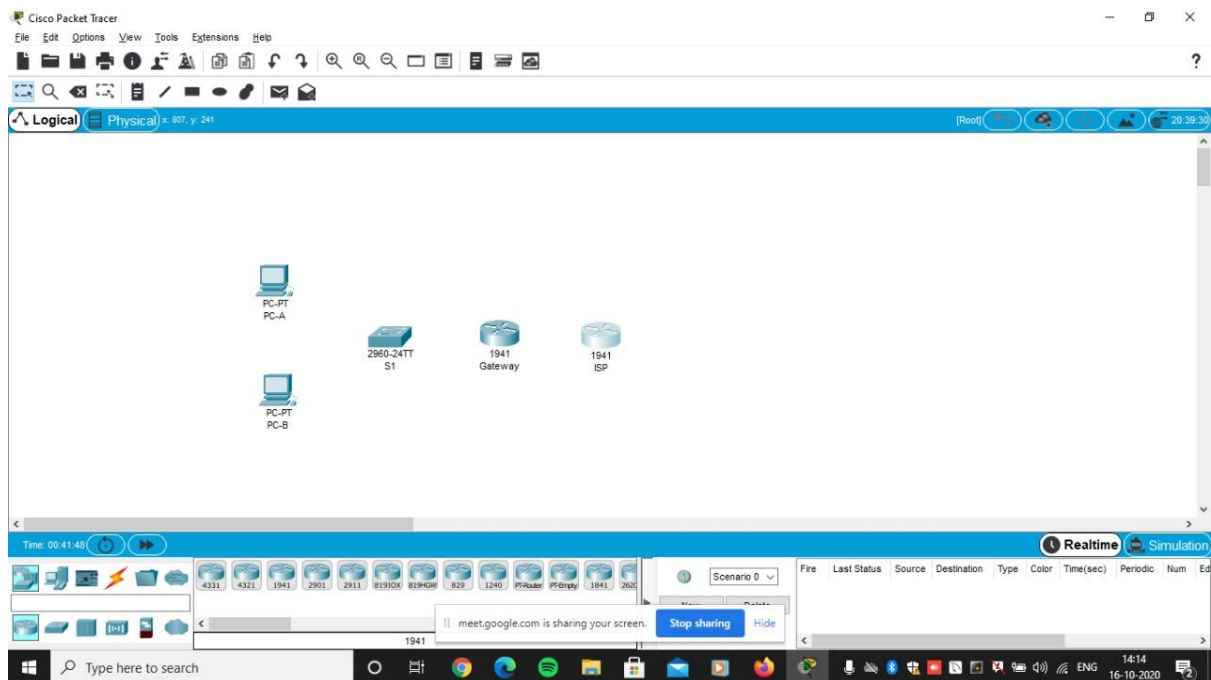
GROUP 4

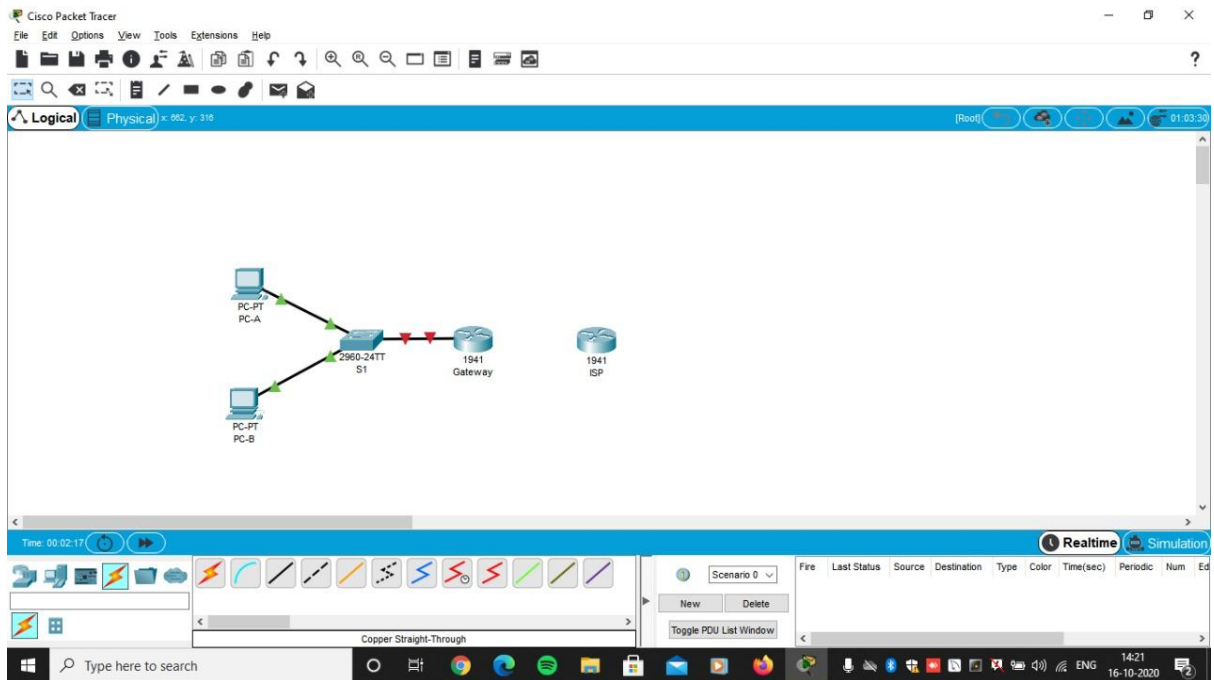
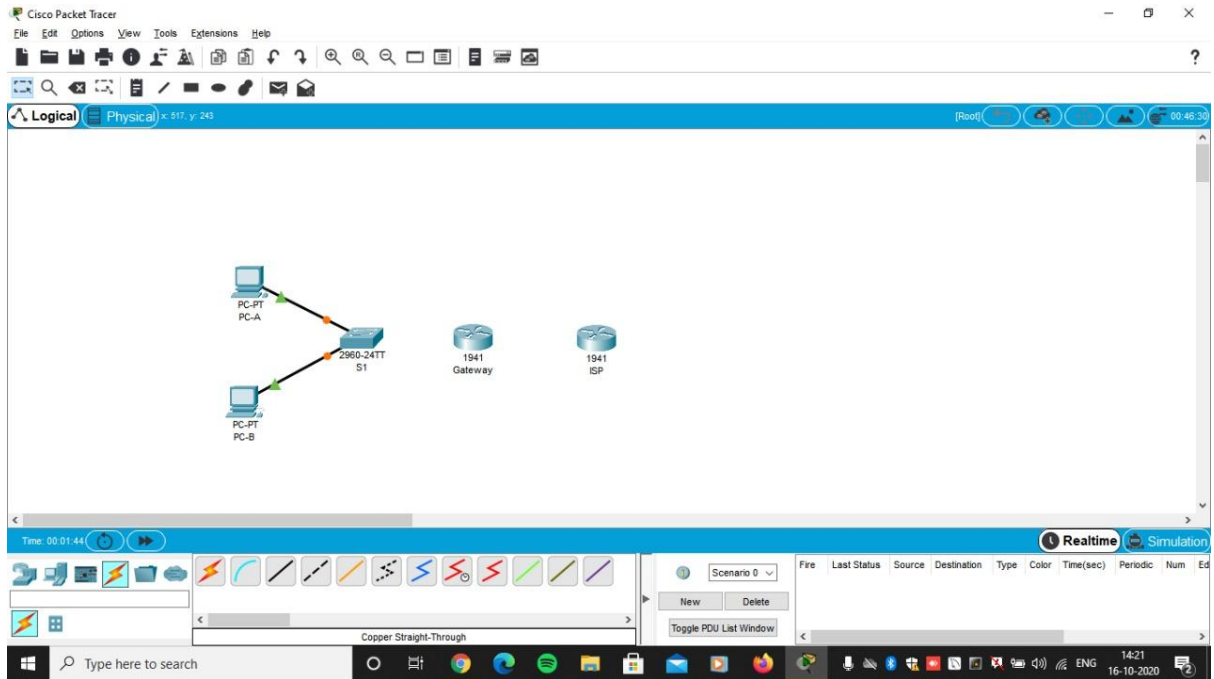
Harshwardhan Pardeshi(2018130034)

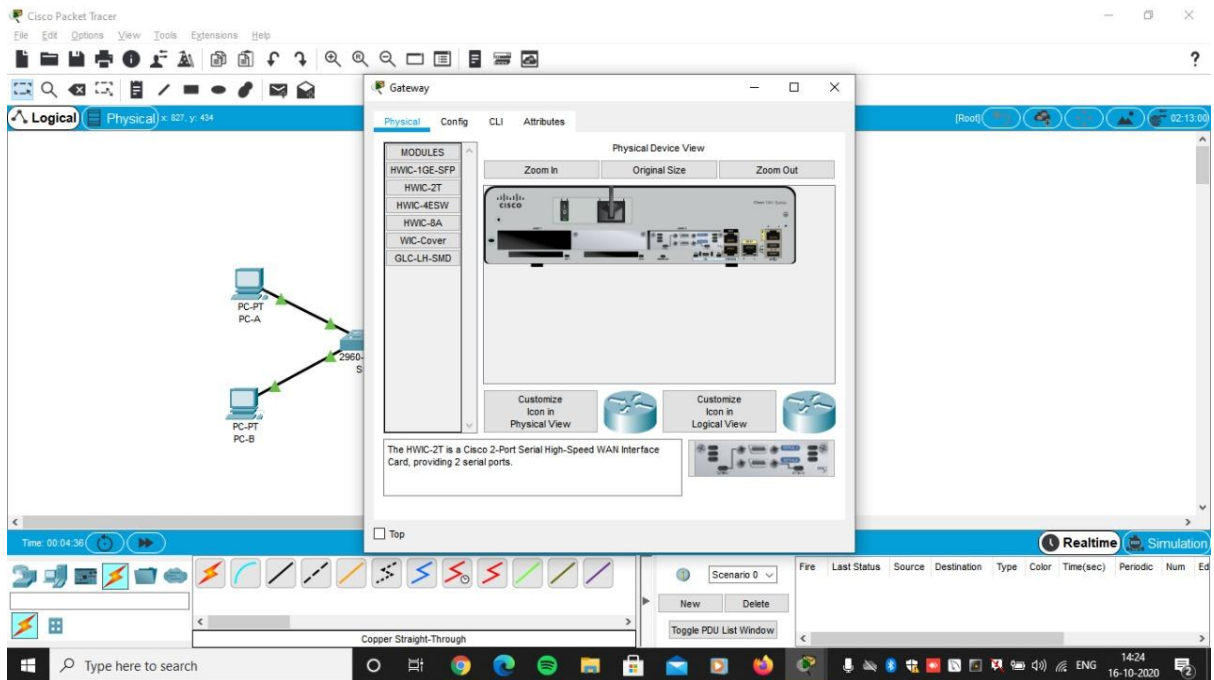
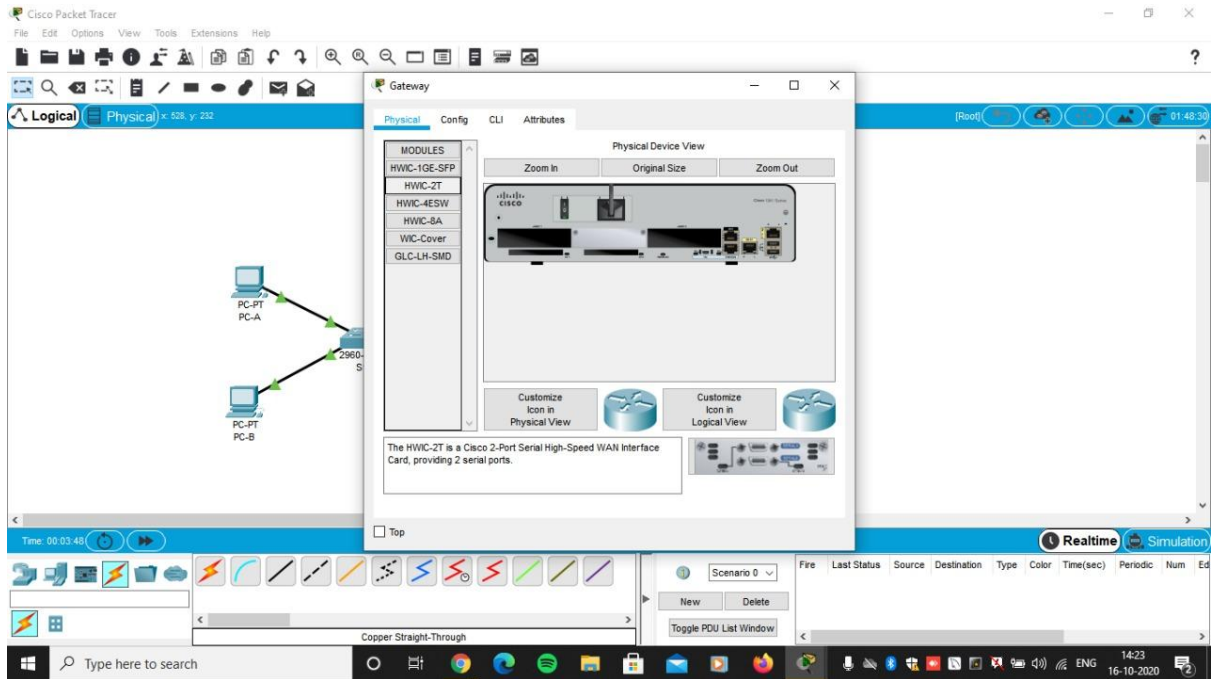
Gaurav Patil(2018130038)

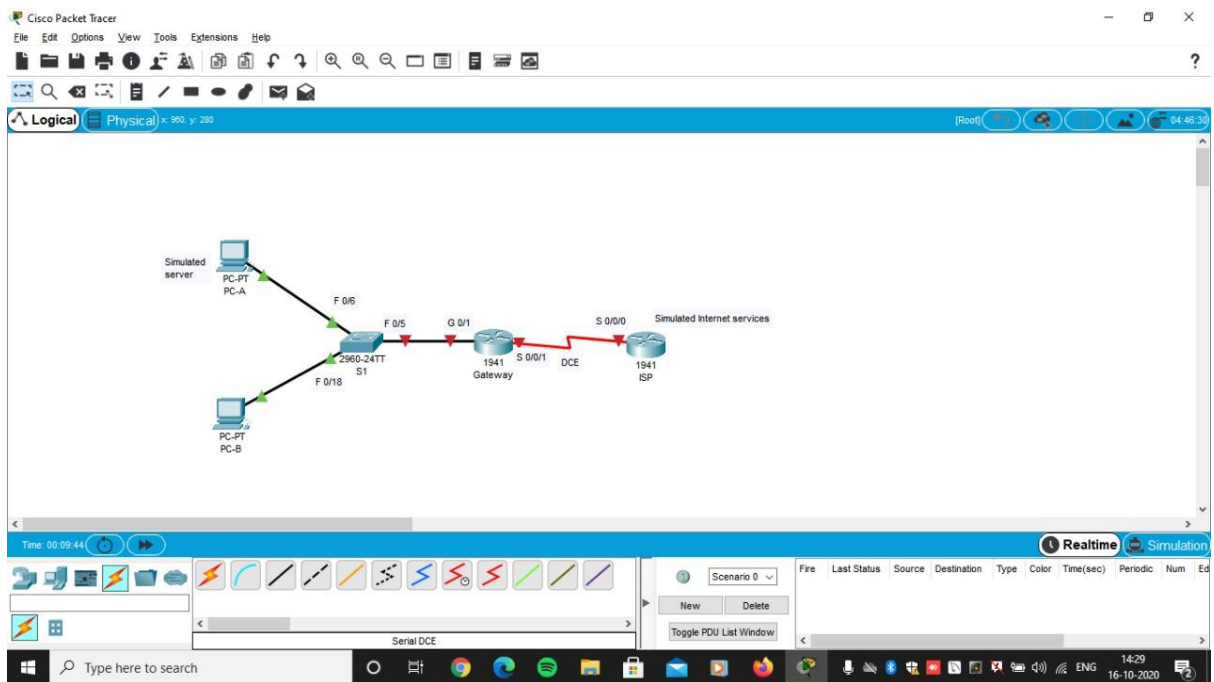
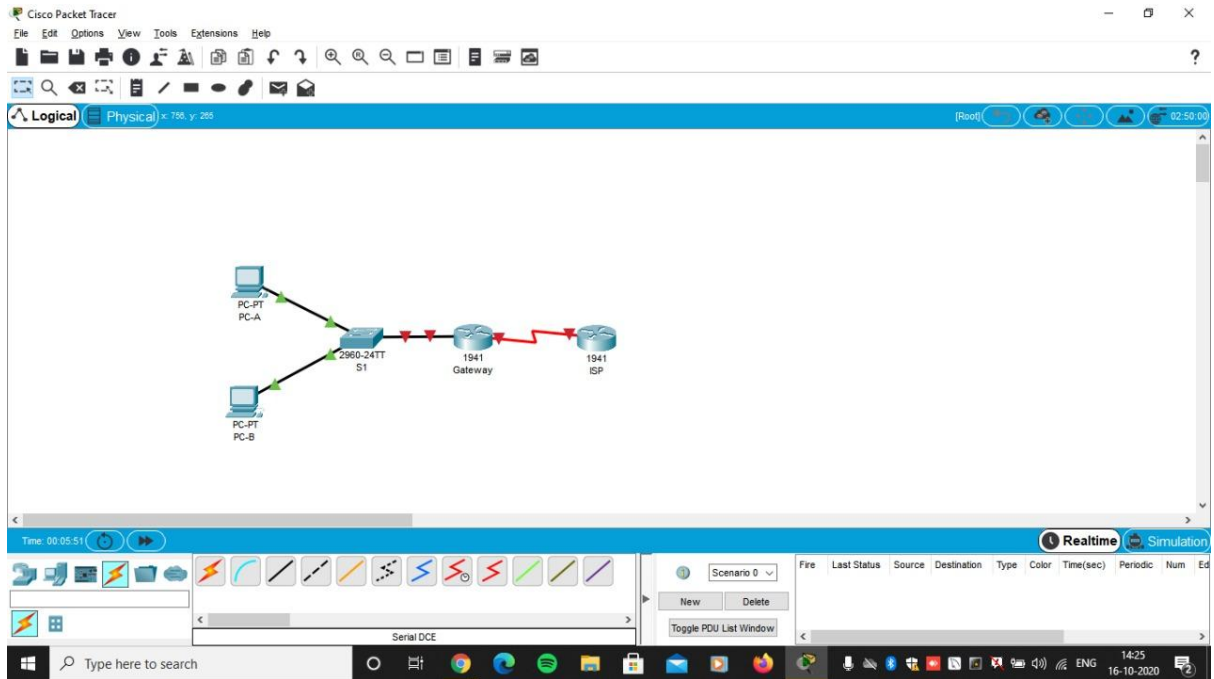
Sakshi Patil (2018130039)

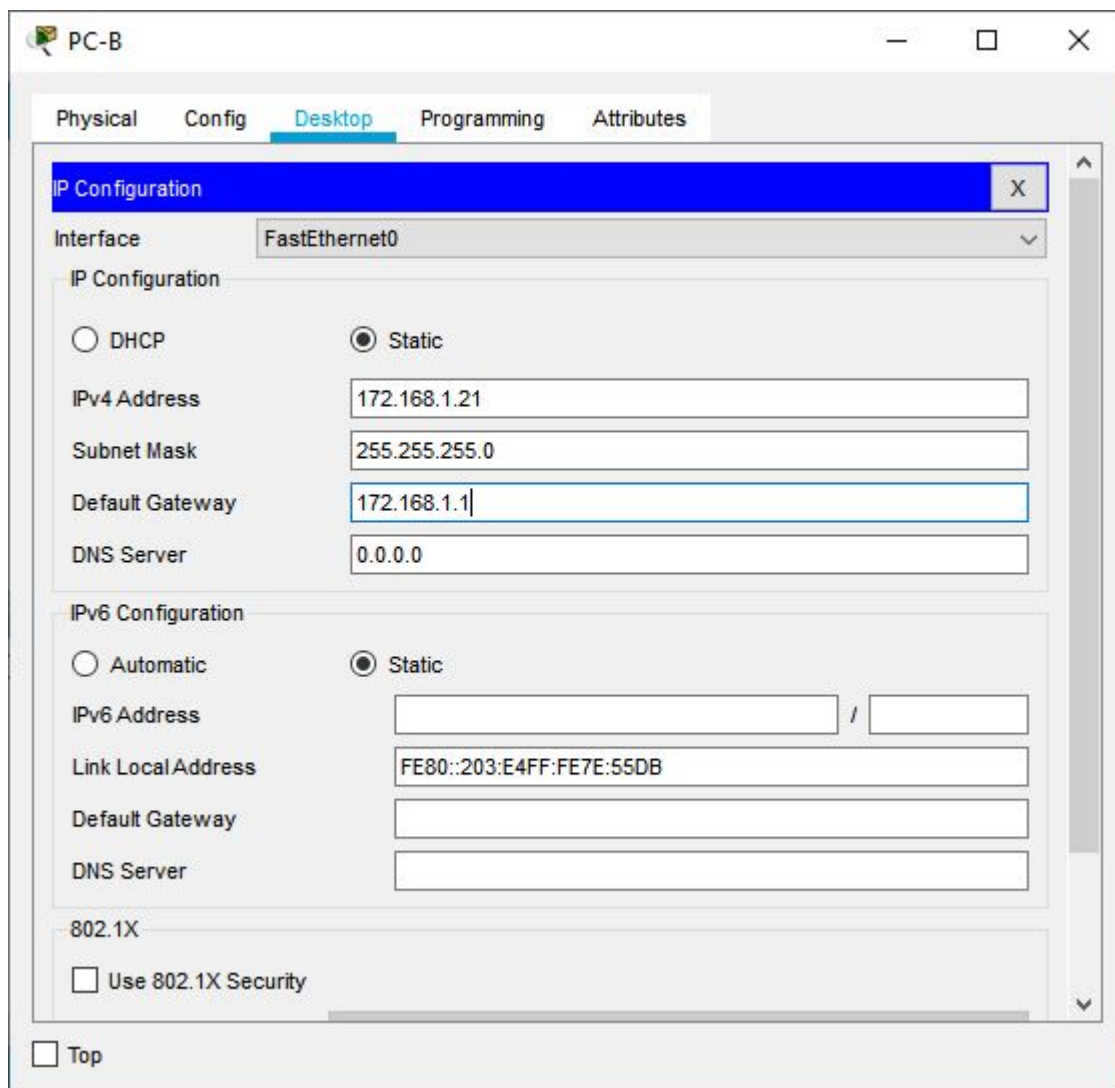
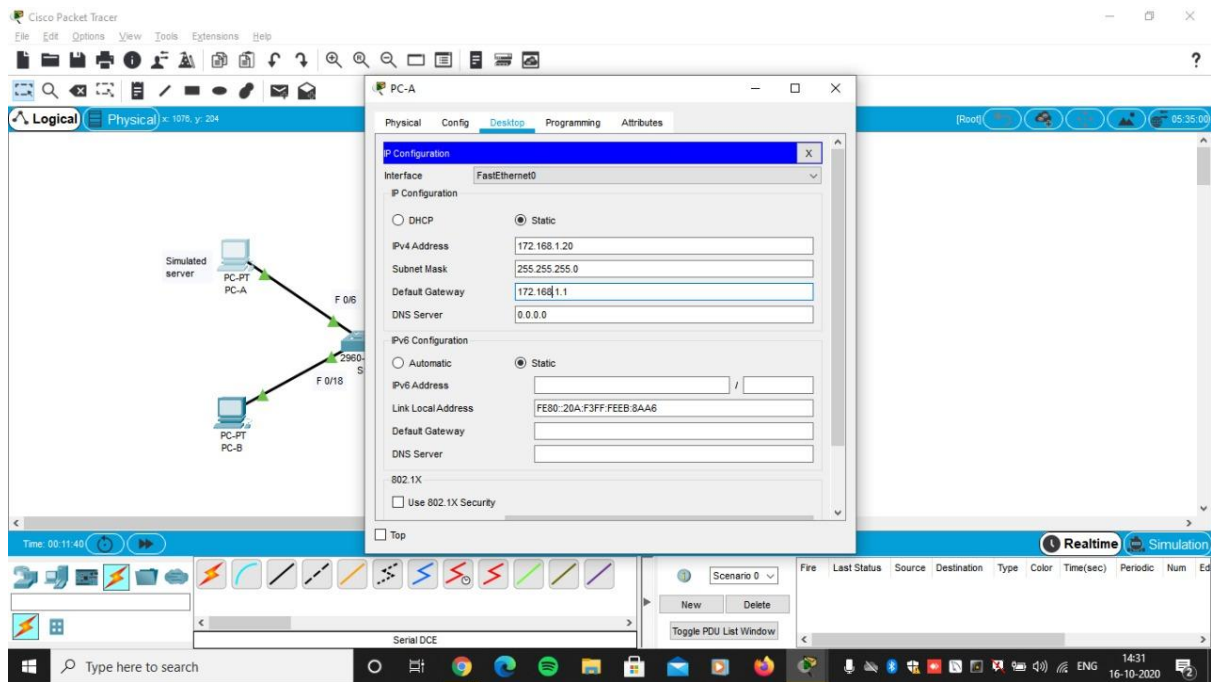
TASK 1

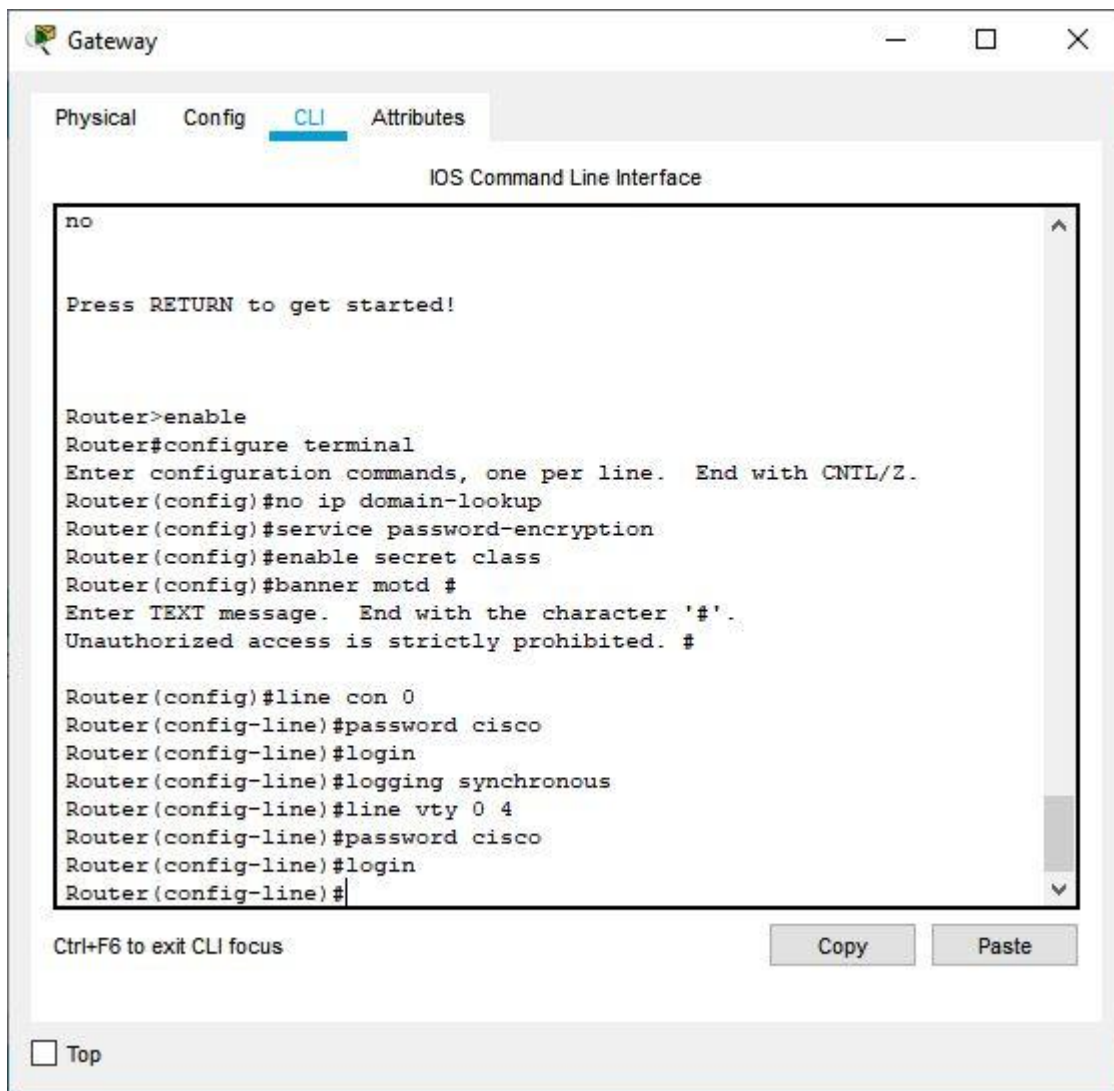


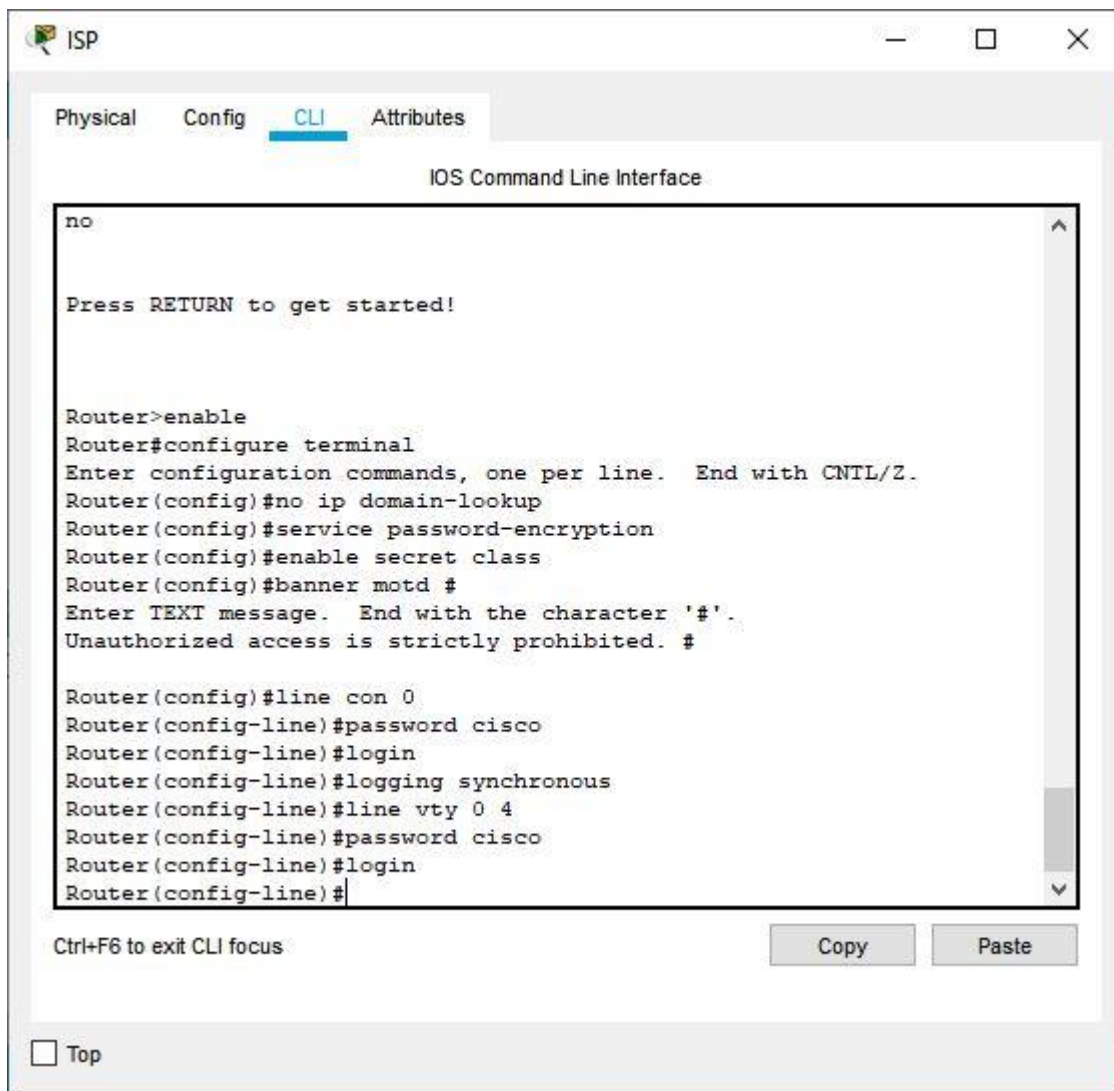


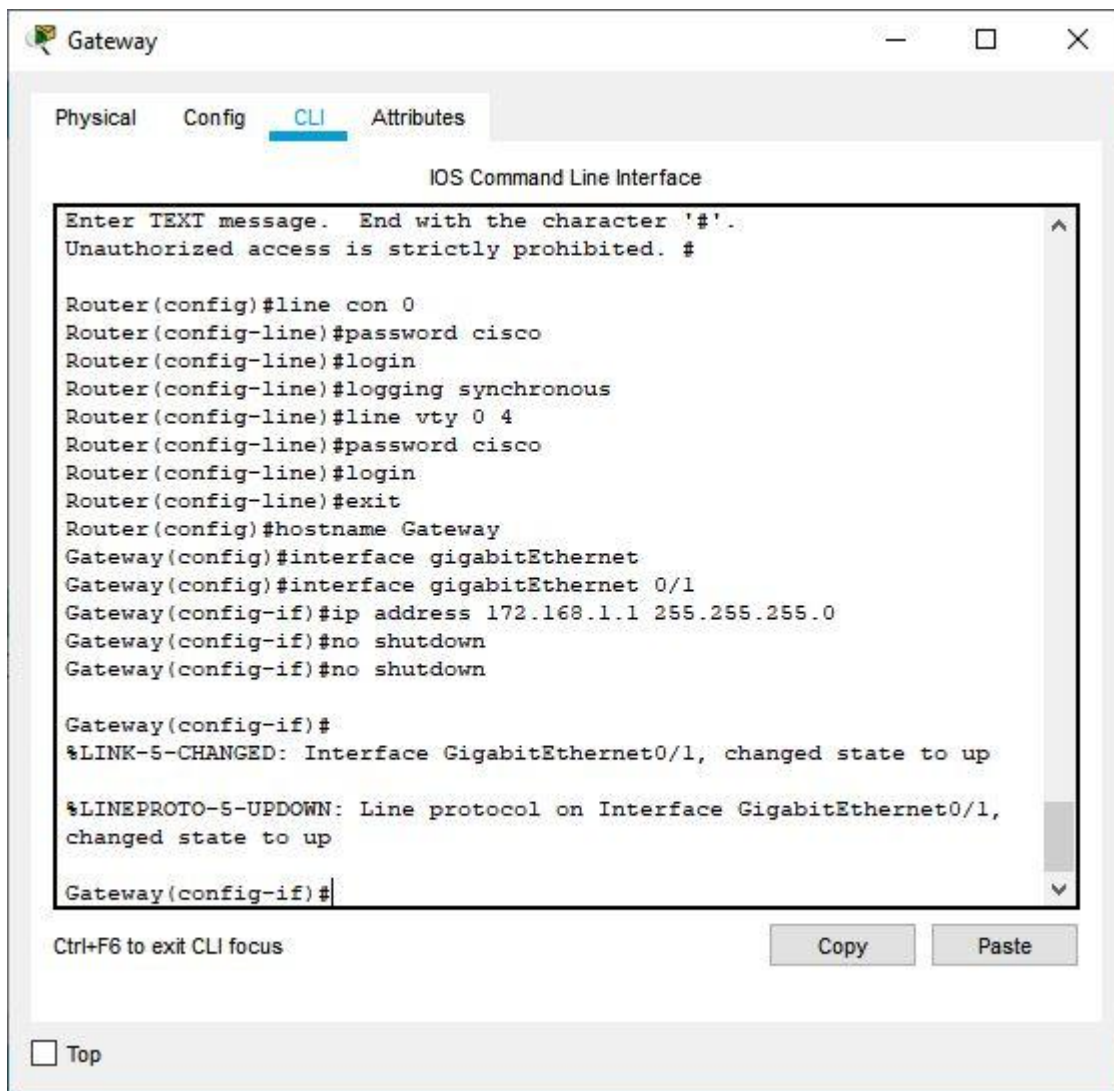


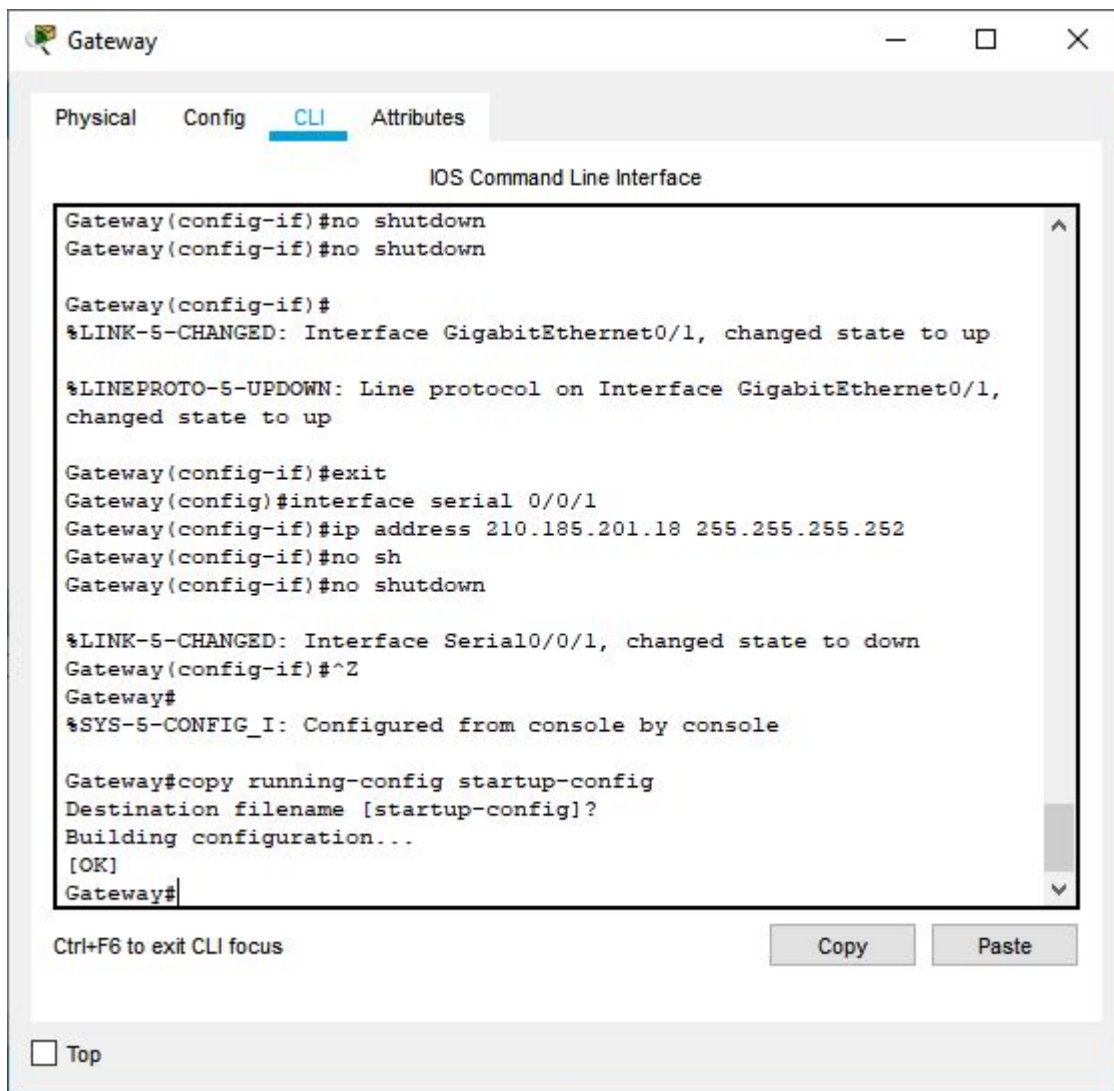


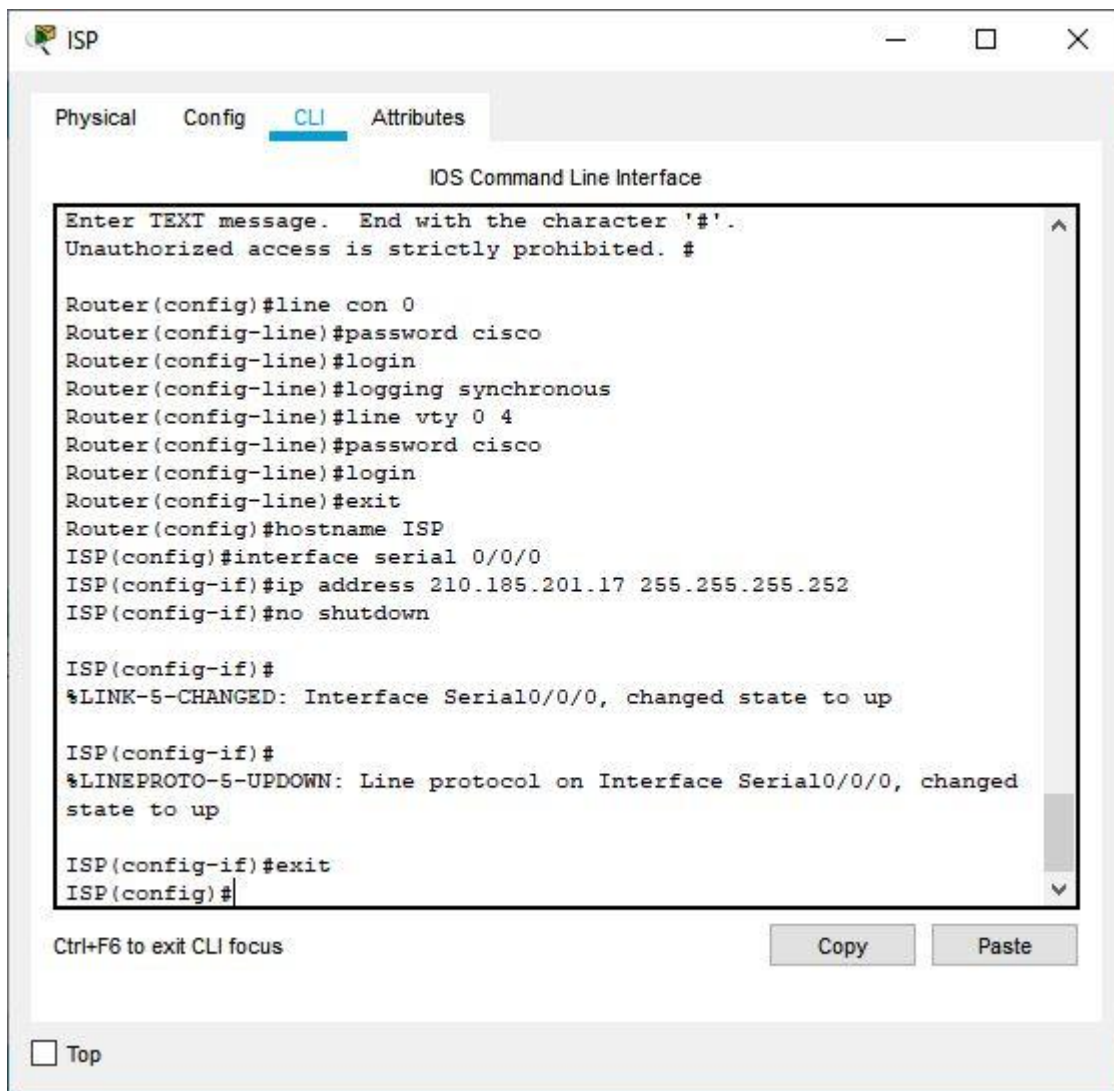


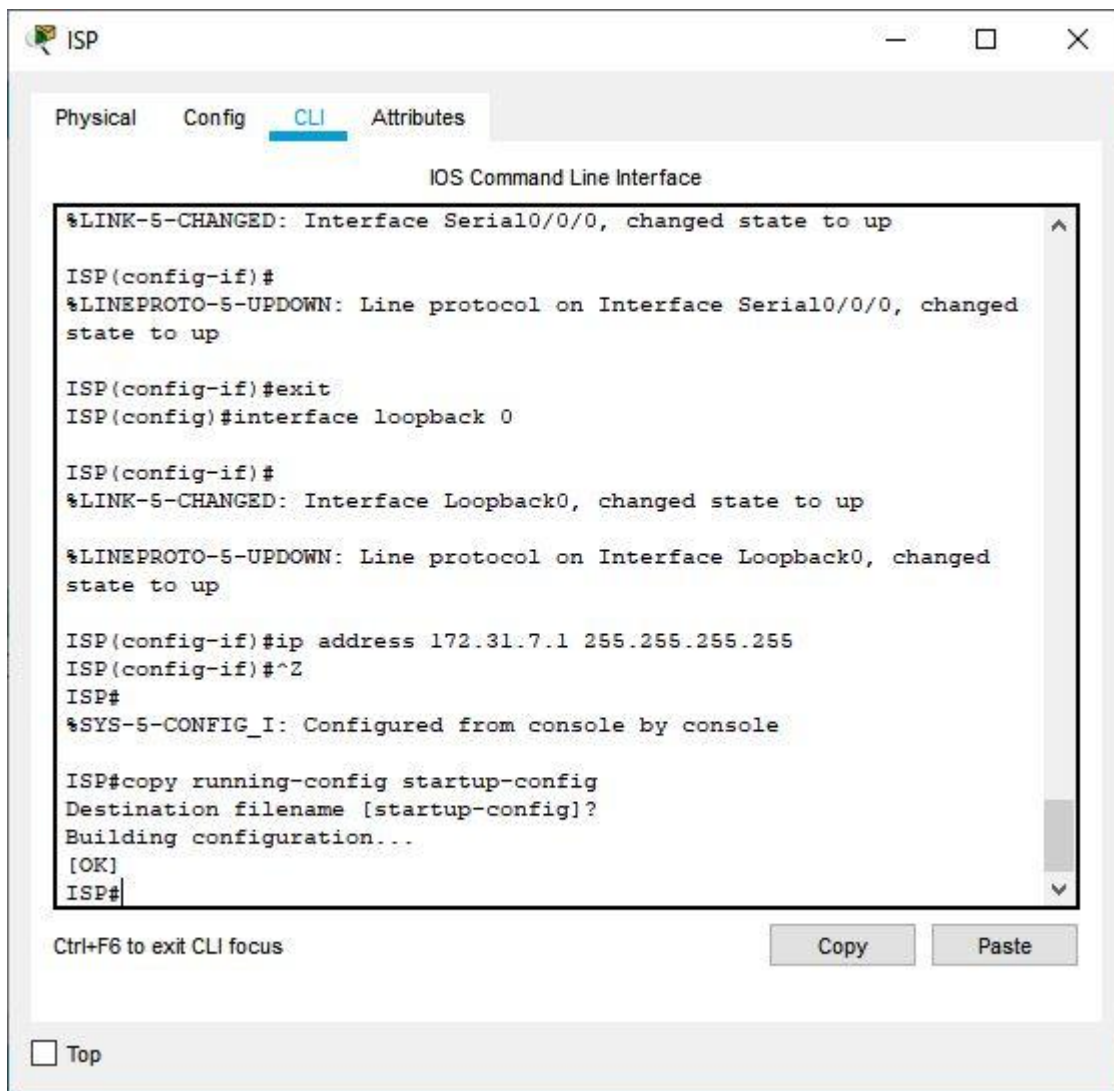


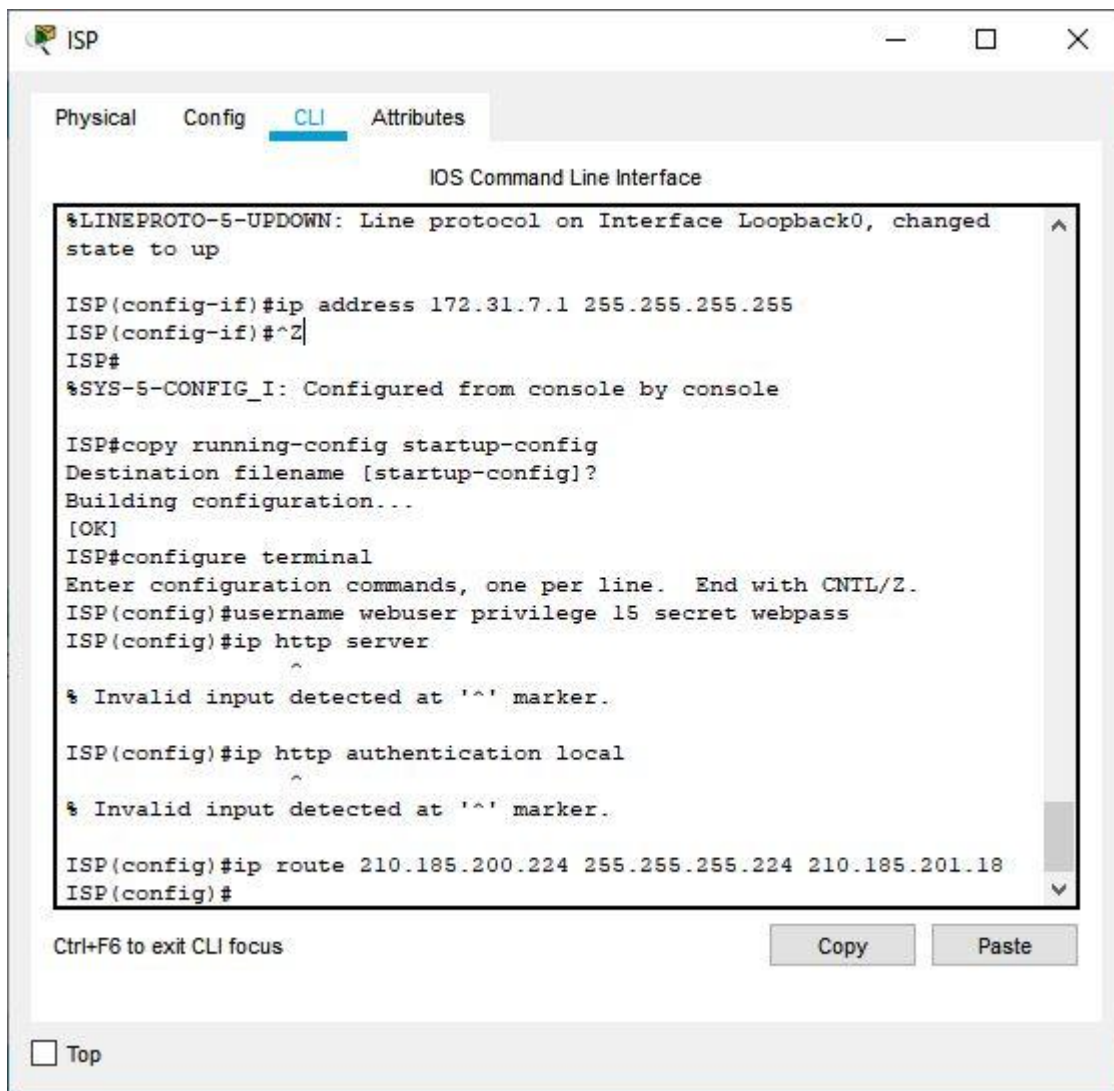


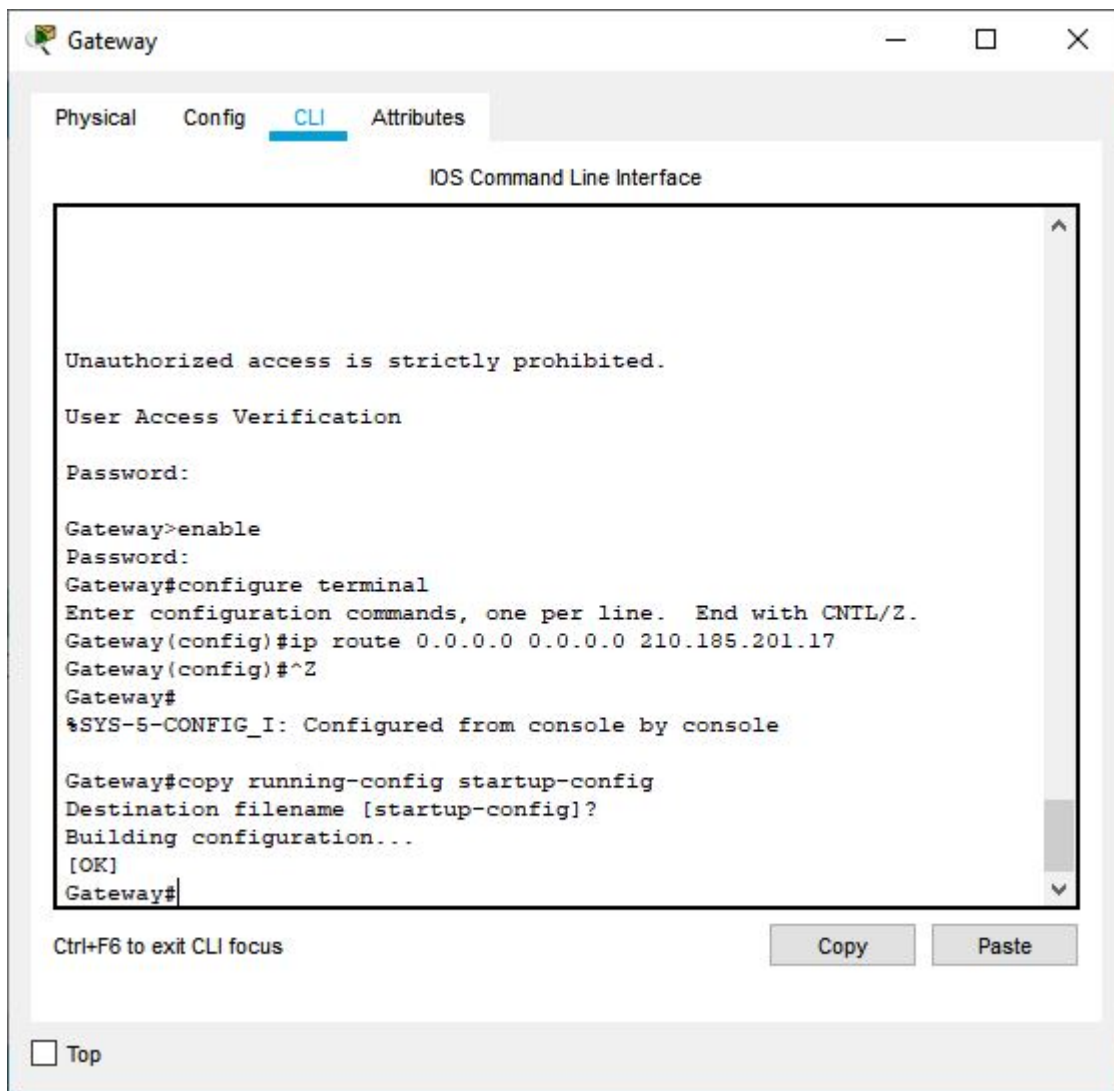


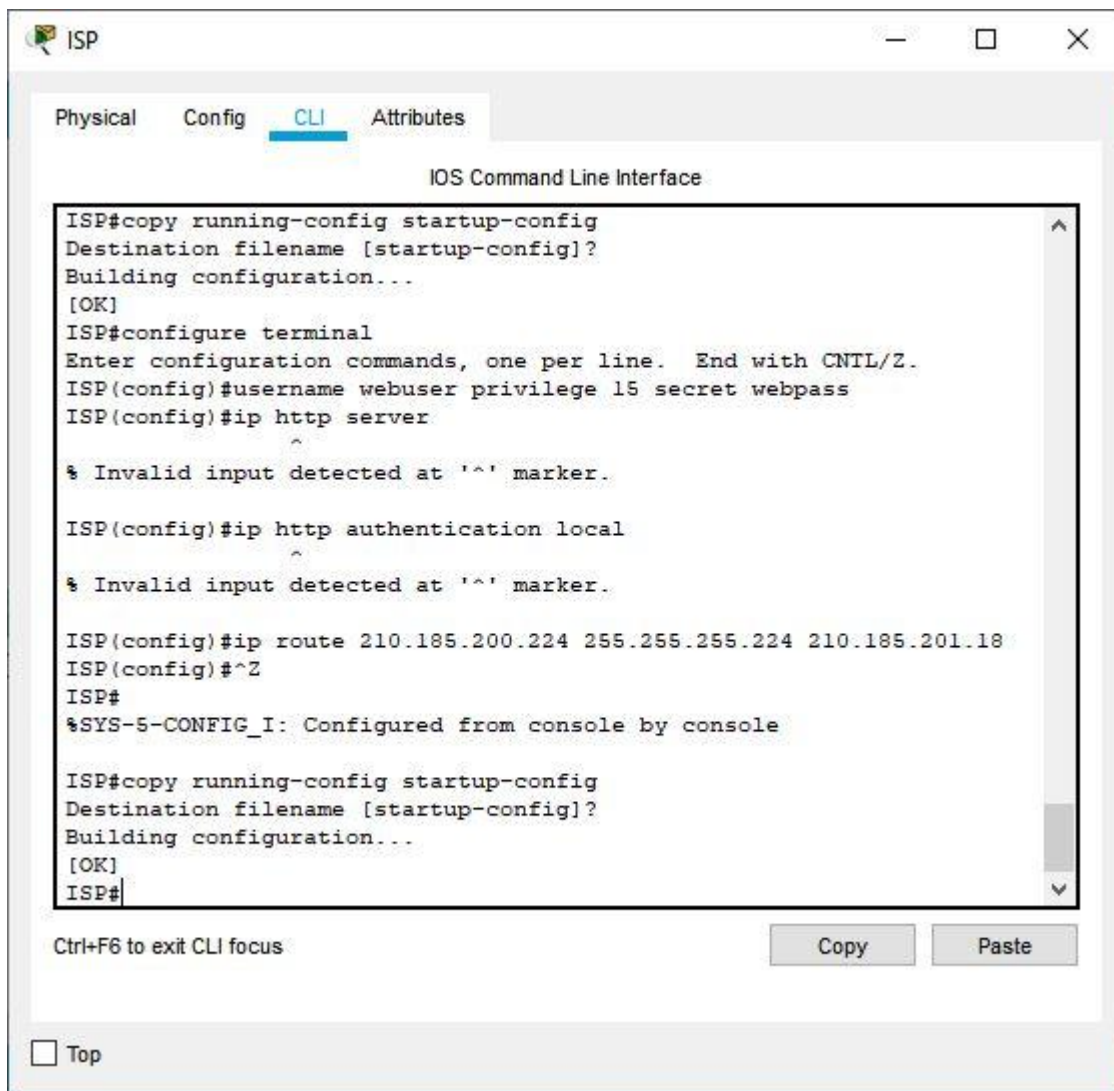


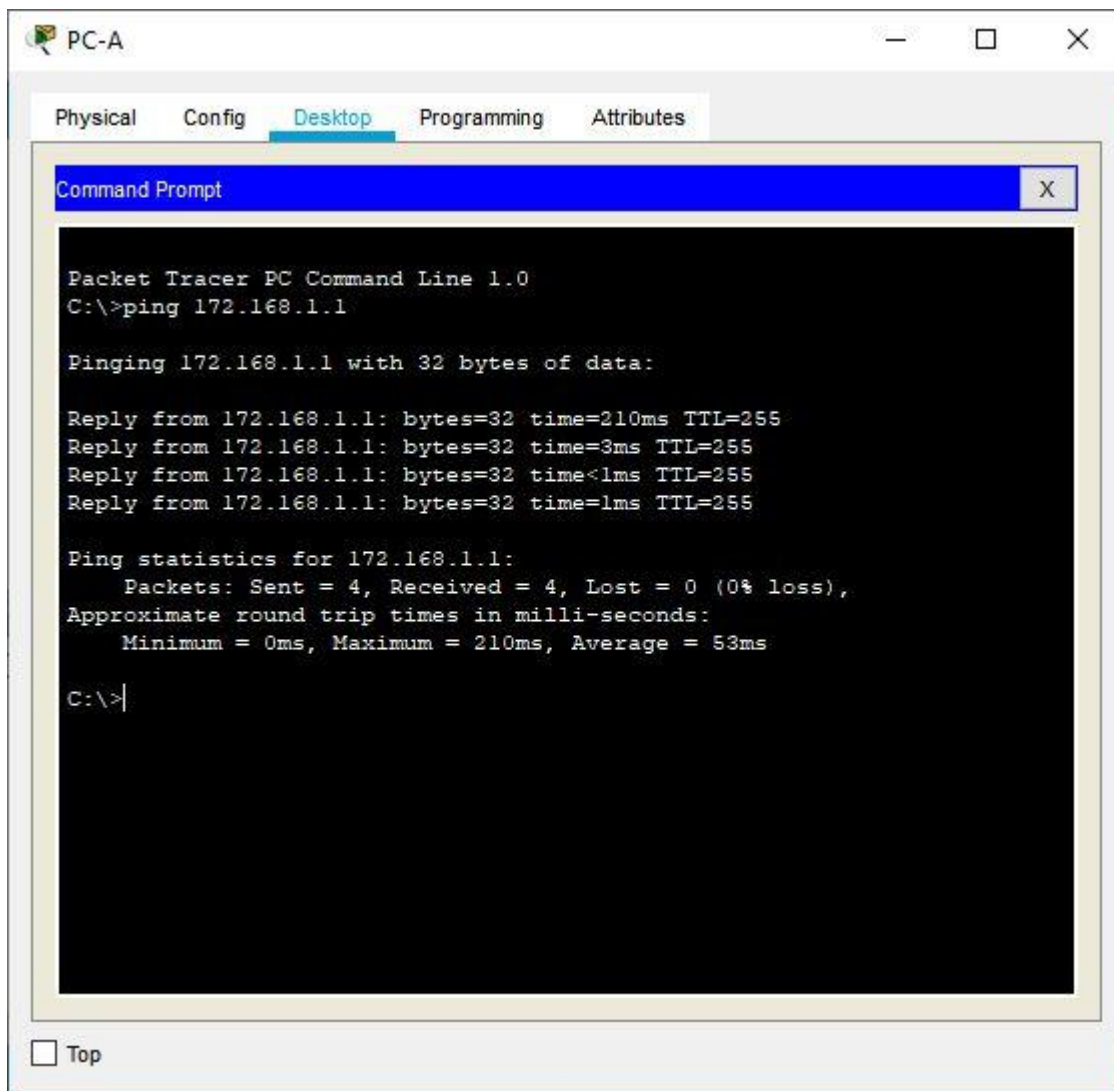


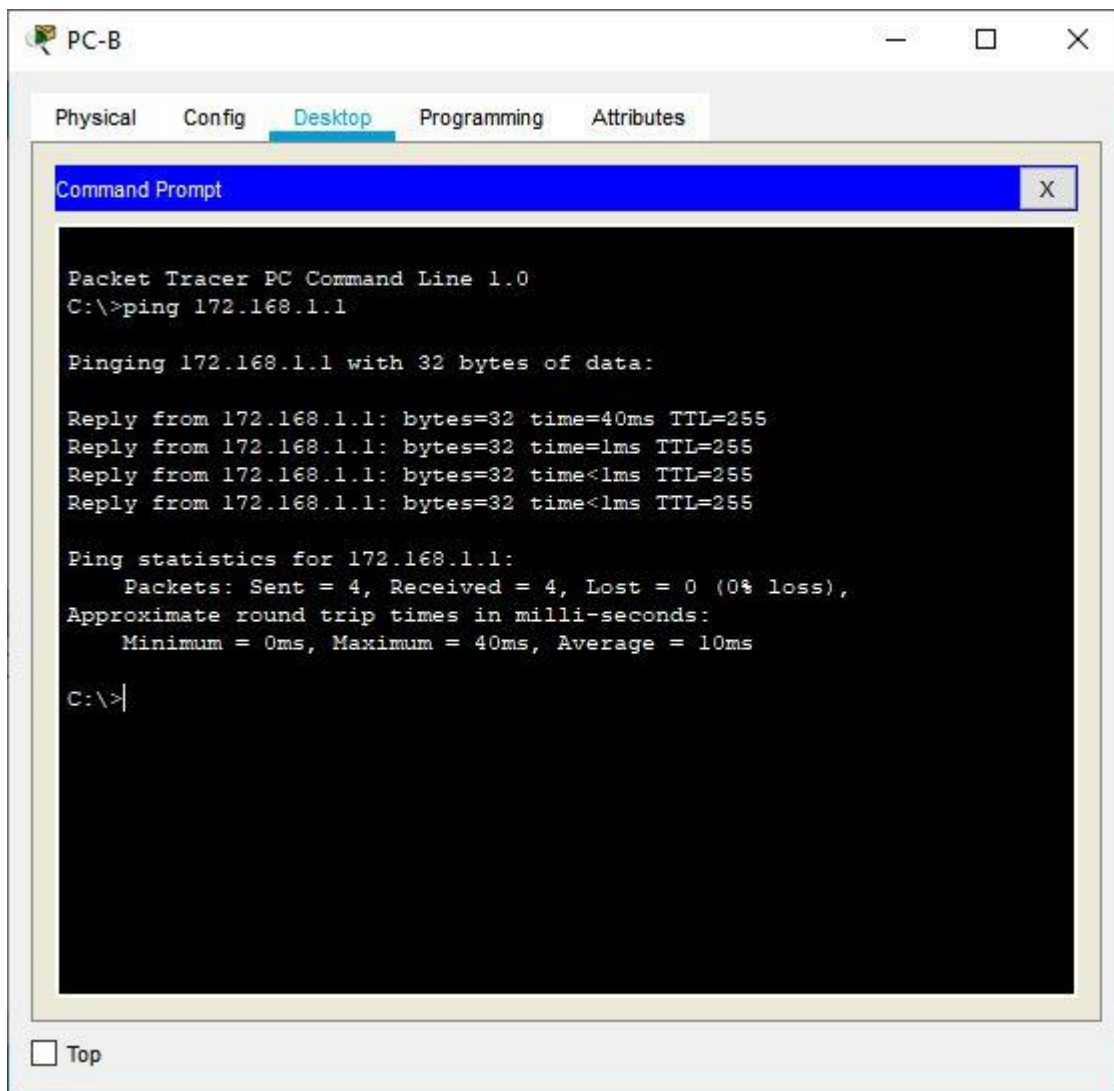












TASK 2

Gateway

Physical Config **CLI** Attributes

IOS Command Line Interface

Unauthorized access is strictly prohibited.

User Access Verification

Password:

Gateway>enable

Password:

Gateway#configure terminal

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

Gateway(config)#ip nat inside source static 172.168.1.20 210.185.200.225

Gateway(config)#interface g0/1

Gateway(config-if)#ip nat inside

Gateway(config-if)#interface s0/0/1

Gateway(config-if)#ip nat outside

Gateway(config-if)#^Z

Gateway#

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

Gateway#copy running-config startup-config

Destination filename [startup-config]?

Building configuration...

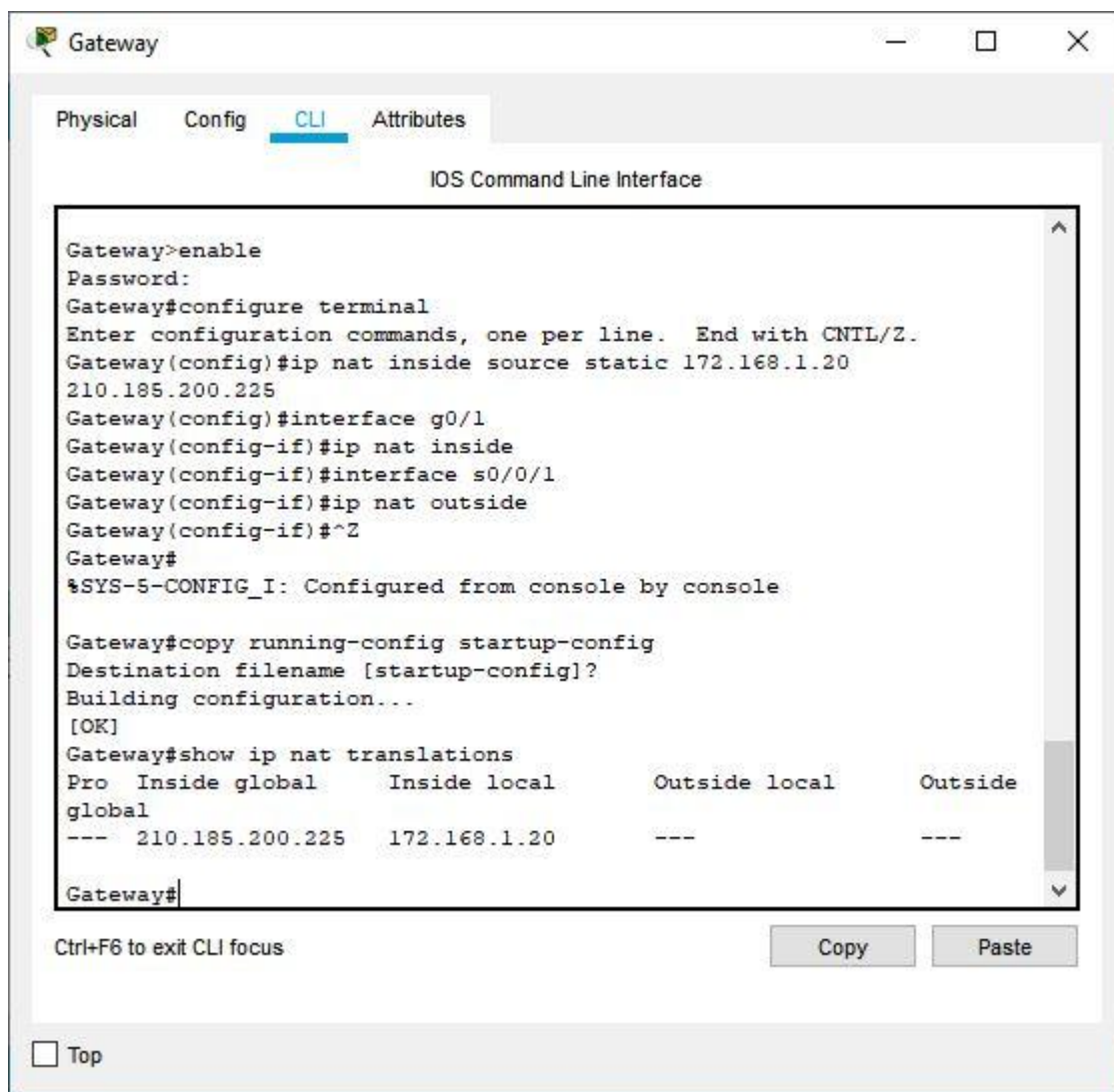
[OK]

Gateway#

Ctrl+F6 to exit CLI focus

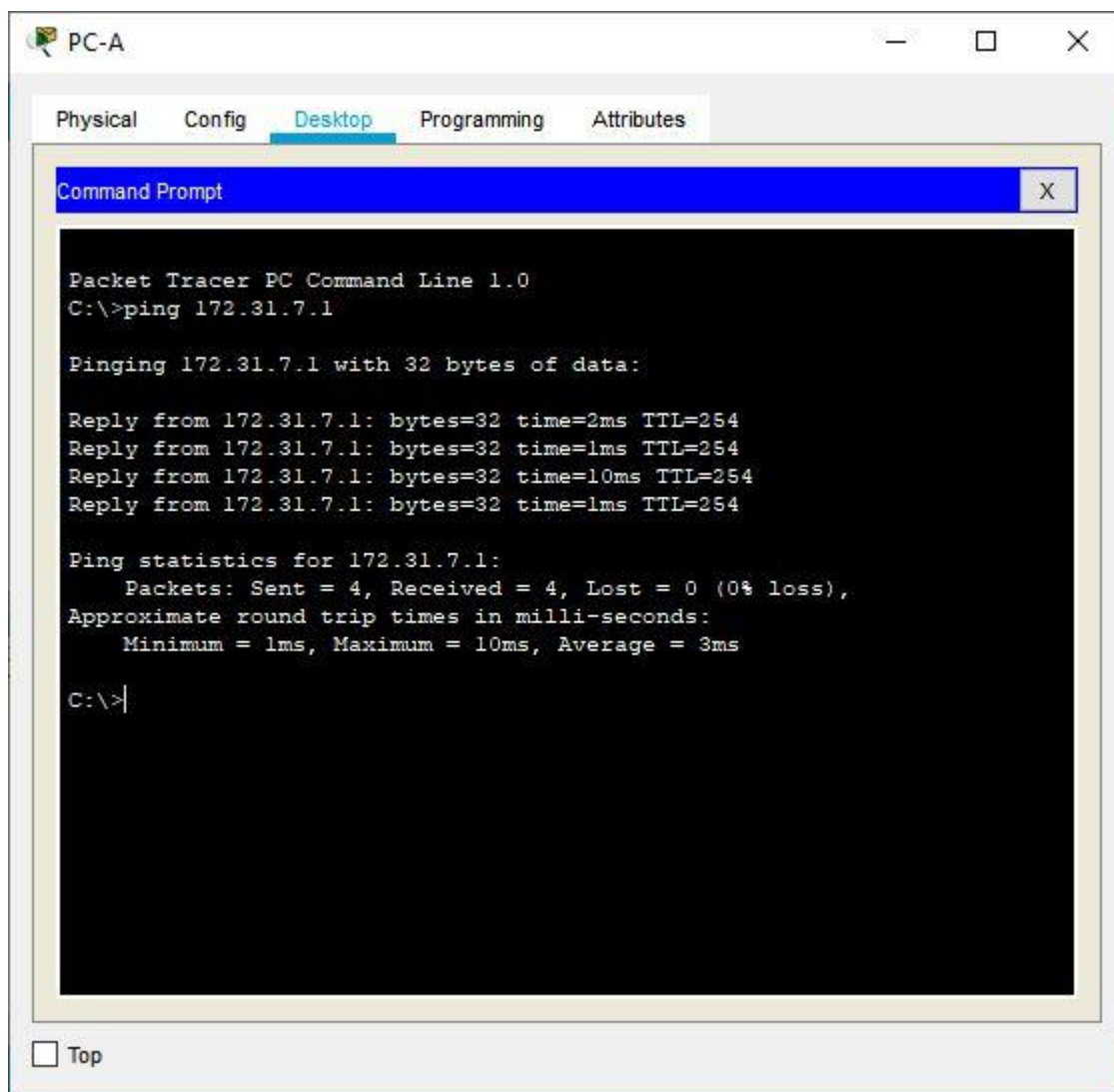
Copy Paste

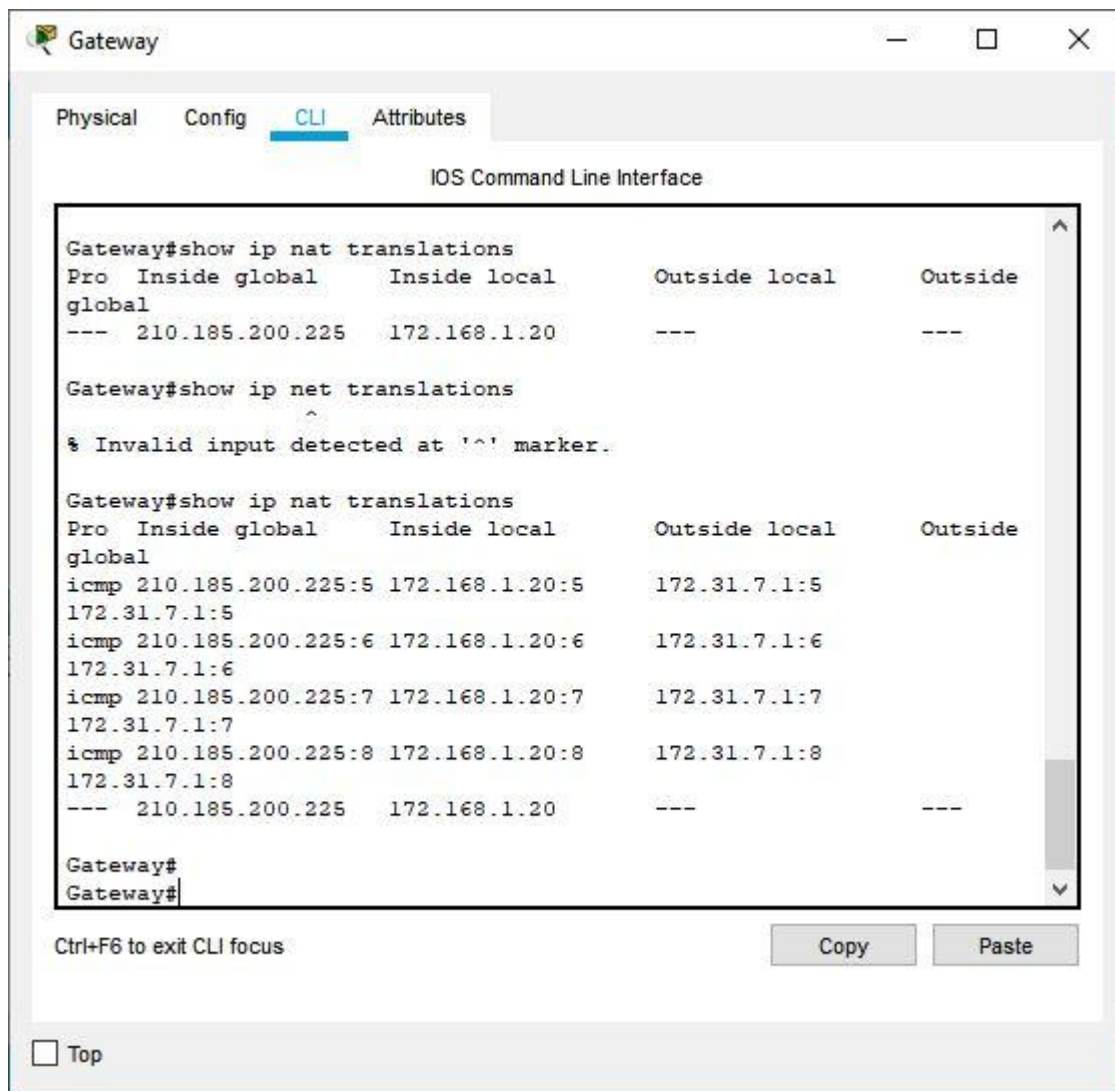
☐ Top



What is the translation of Inside local host address?

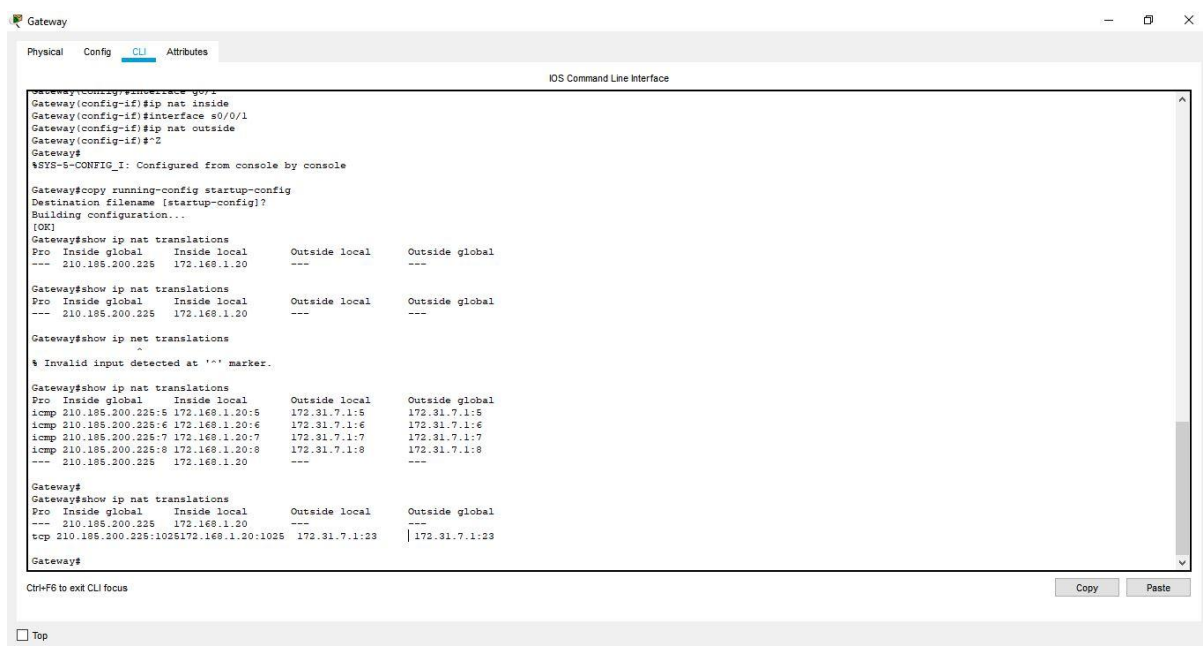
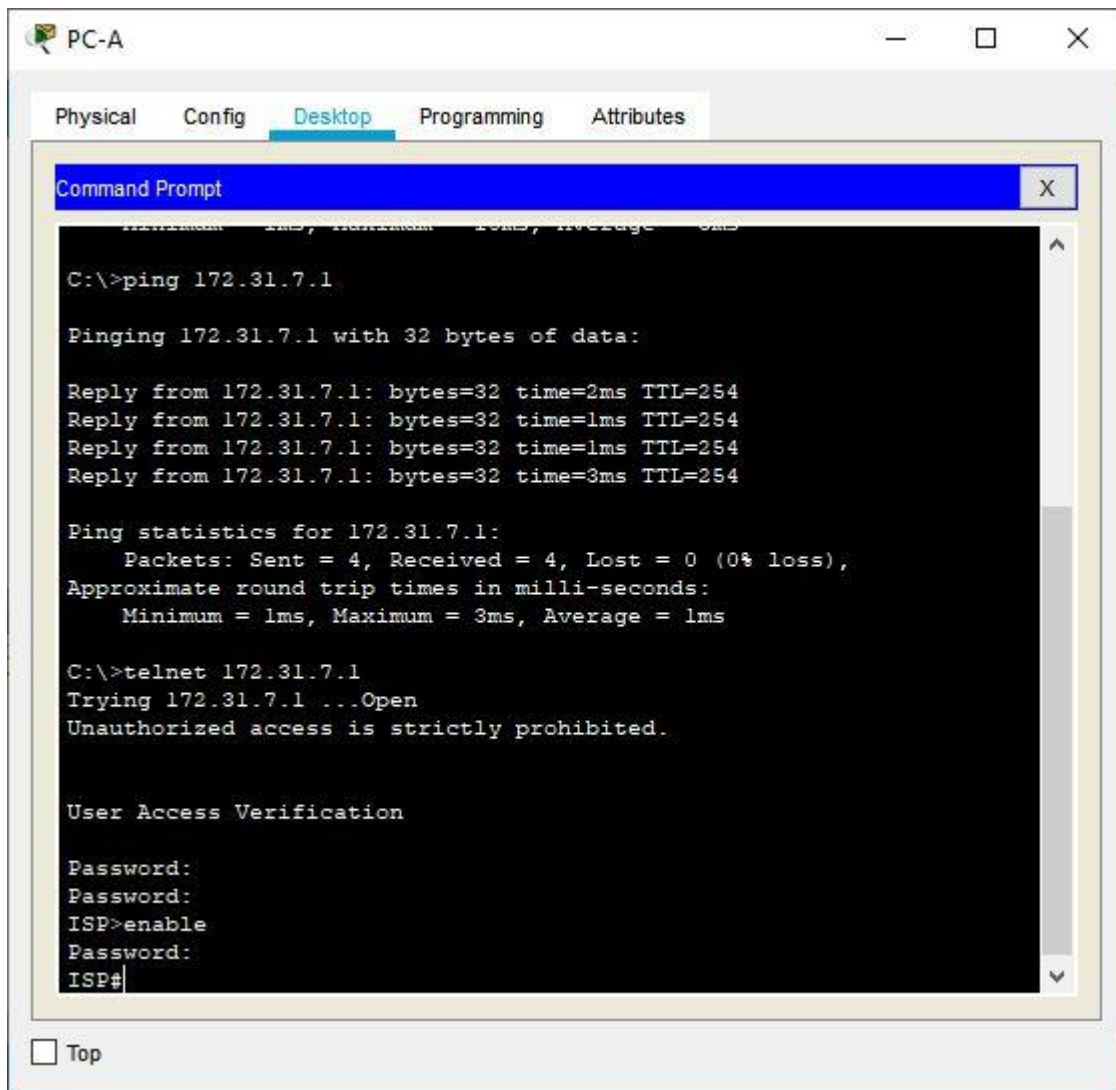
172.168.1.20 = 210.185.200.225





What port number was used in this ICMP exchange?

4 ports was used in this ICMP exchange. Ports 5, 6, 7 and 8

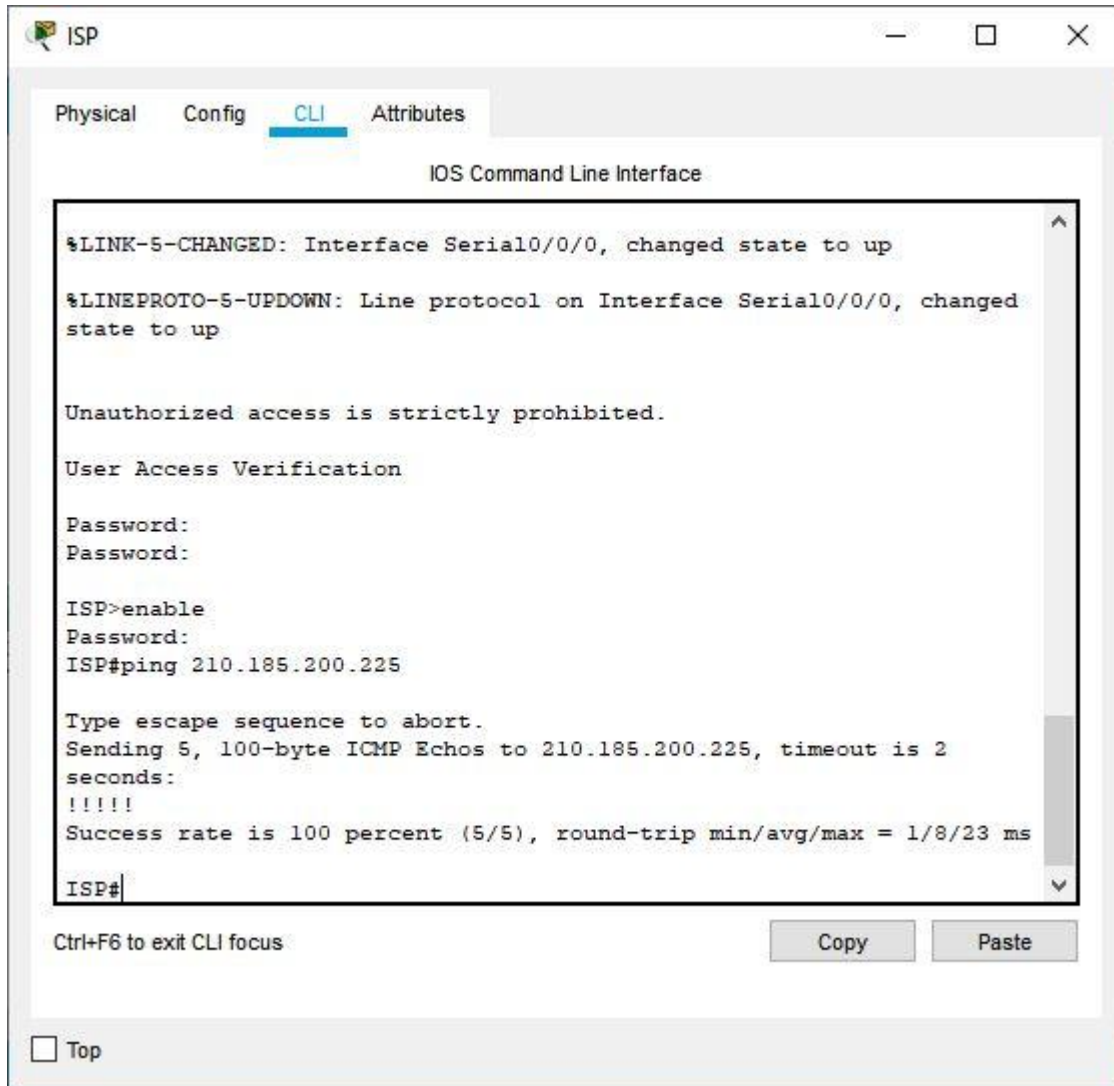


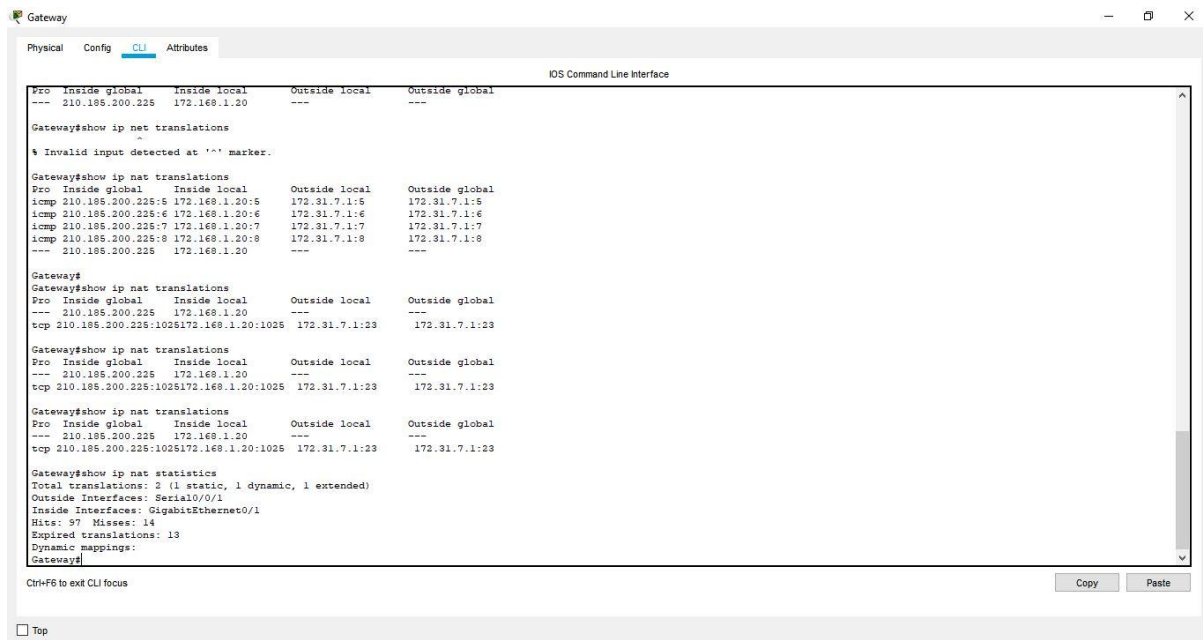
What was the port used in this translation?

Tcp

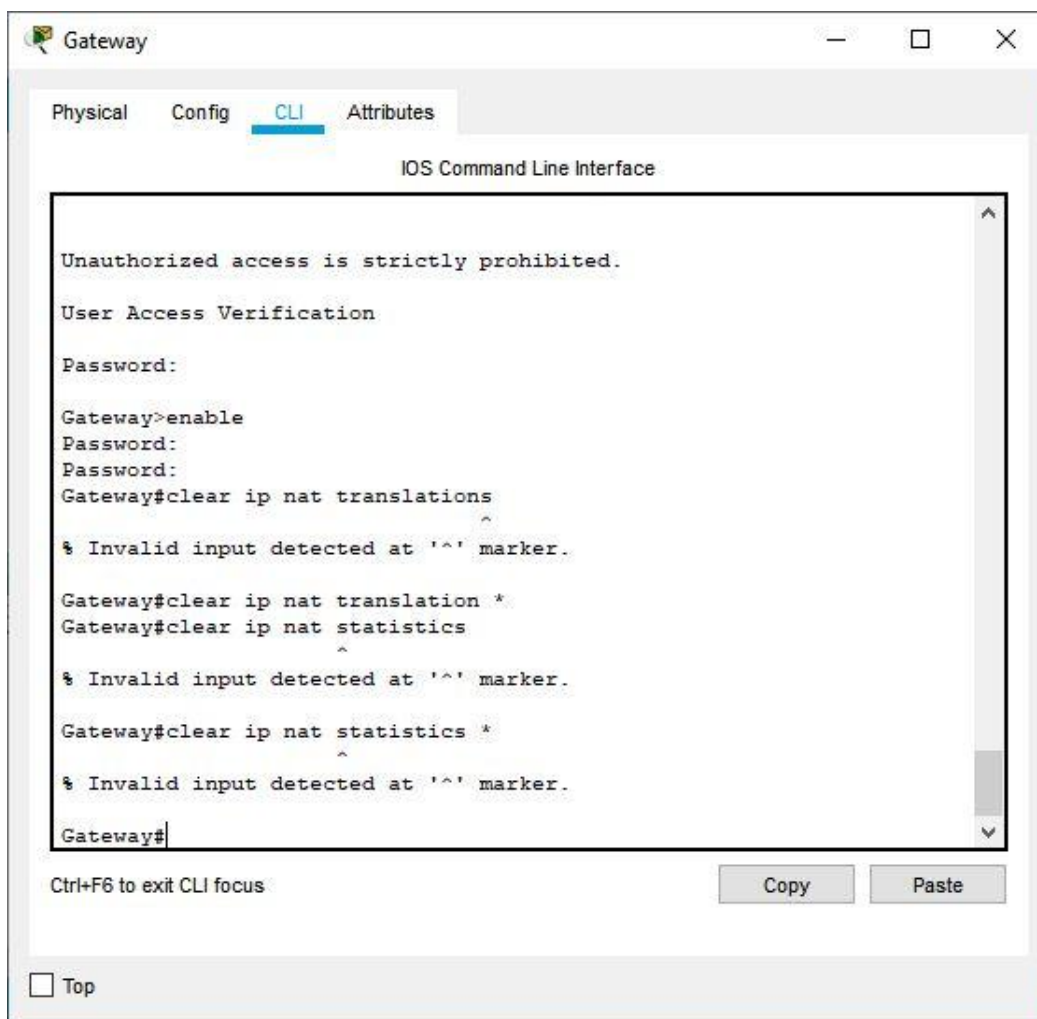
Inside global / local: 1025

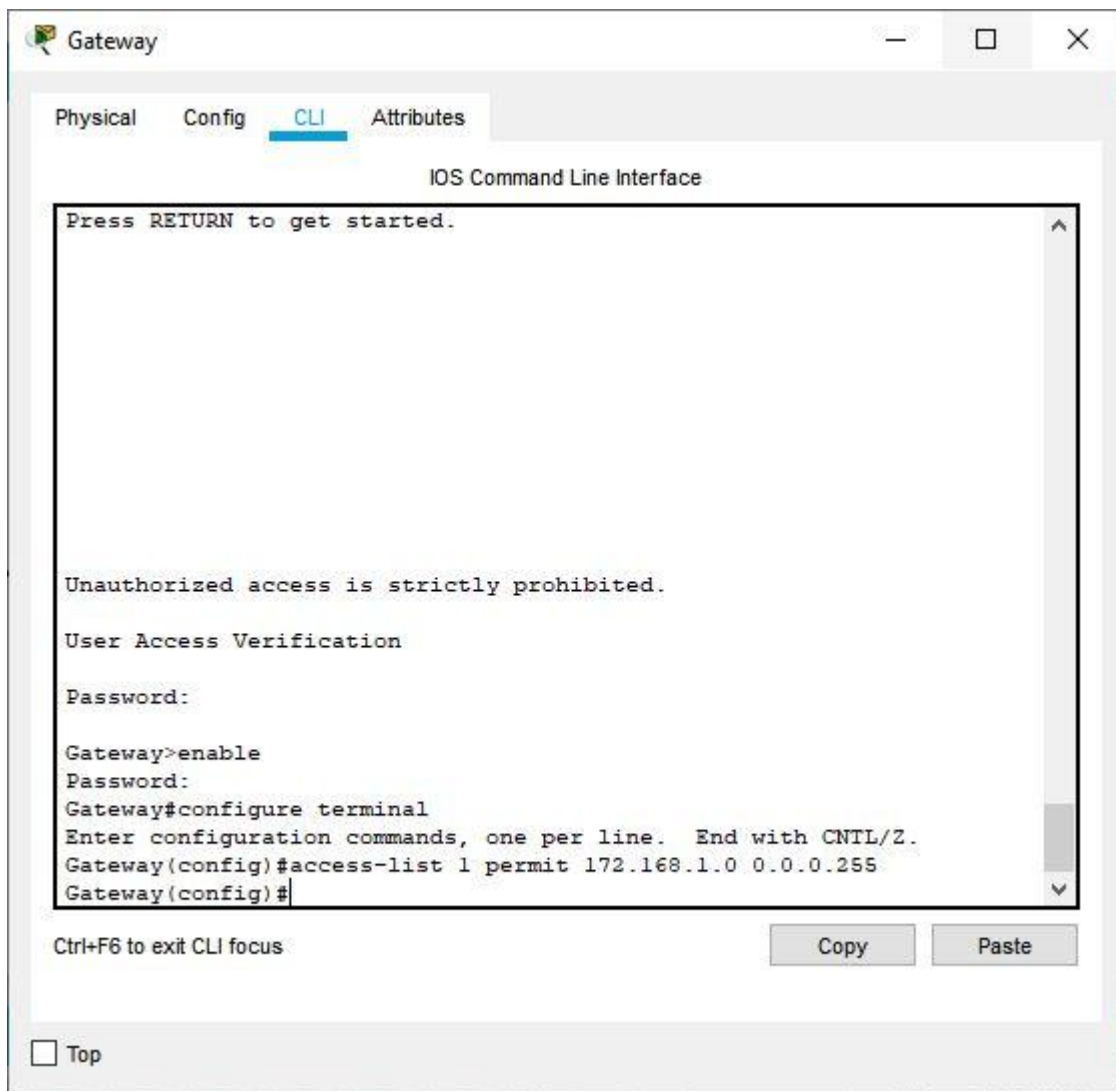
Outside global / local : 23






TASK 3





 Gateway

PhysicalConfigCLIAttributes

IOS Command Line Interface

User Access Verification

Password:

Gateway>enable

Password:

Gateway#configure terminal

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

Gateway(config)#access-list 1 permit 172.168.1.0 0.0.0.255

Gateway(config)#show ip nat statistics

% Invalid input detected at '^' marker.

Gateway(config)#^Z

Gateway#

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

Gateway#show ip nat statistics

Total translations: 1 (1 static, 0 dynamic, 0 extended)

Outside Interfaces: Serial0/0/1

Inside Interfaces: GigabitEthernet0/1

Hits: 100 Misses: 14

Expired translations: 13

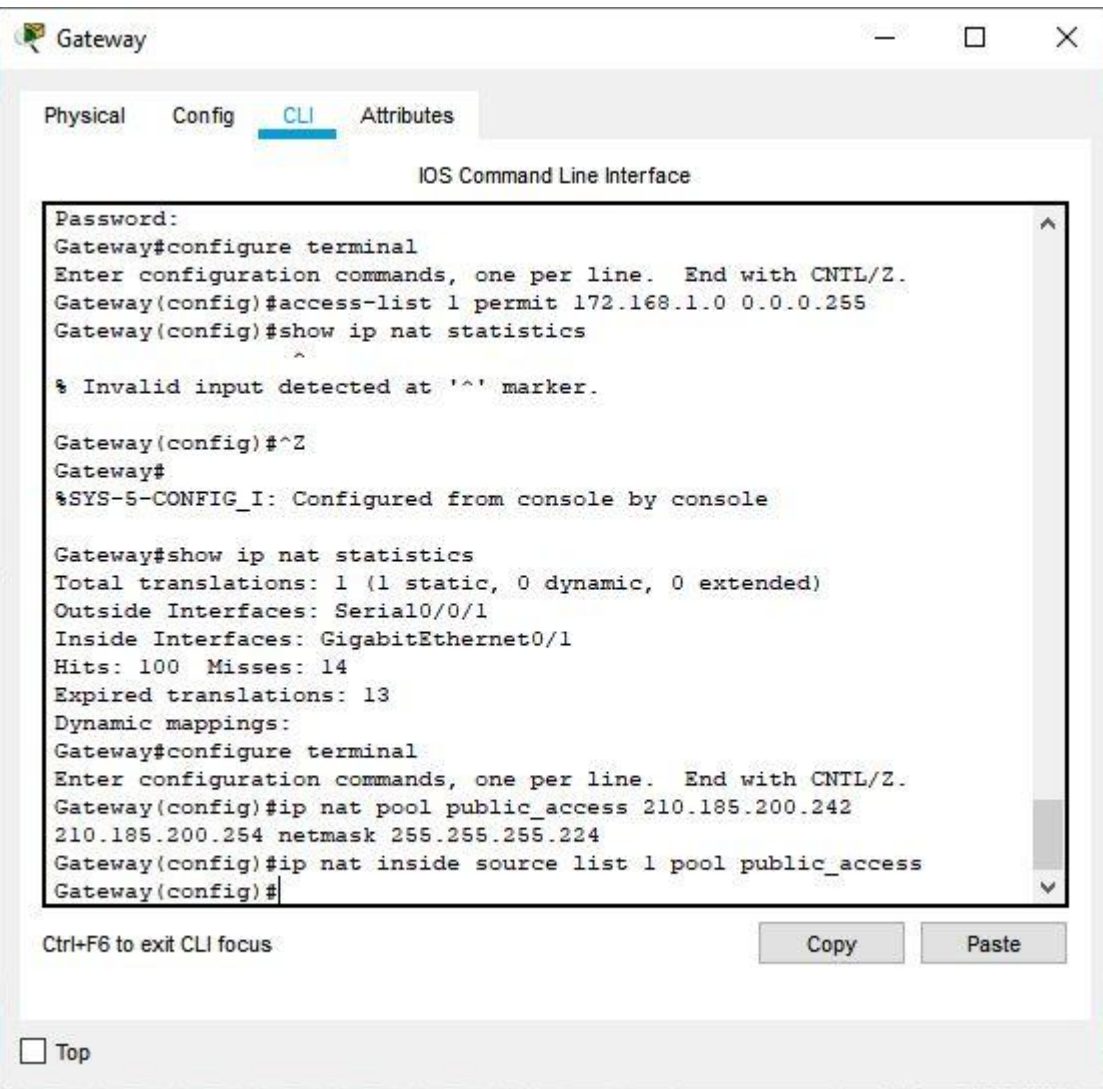
Dynamic mappings:

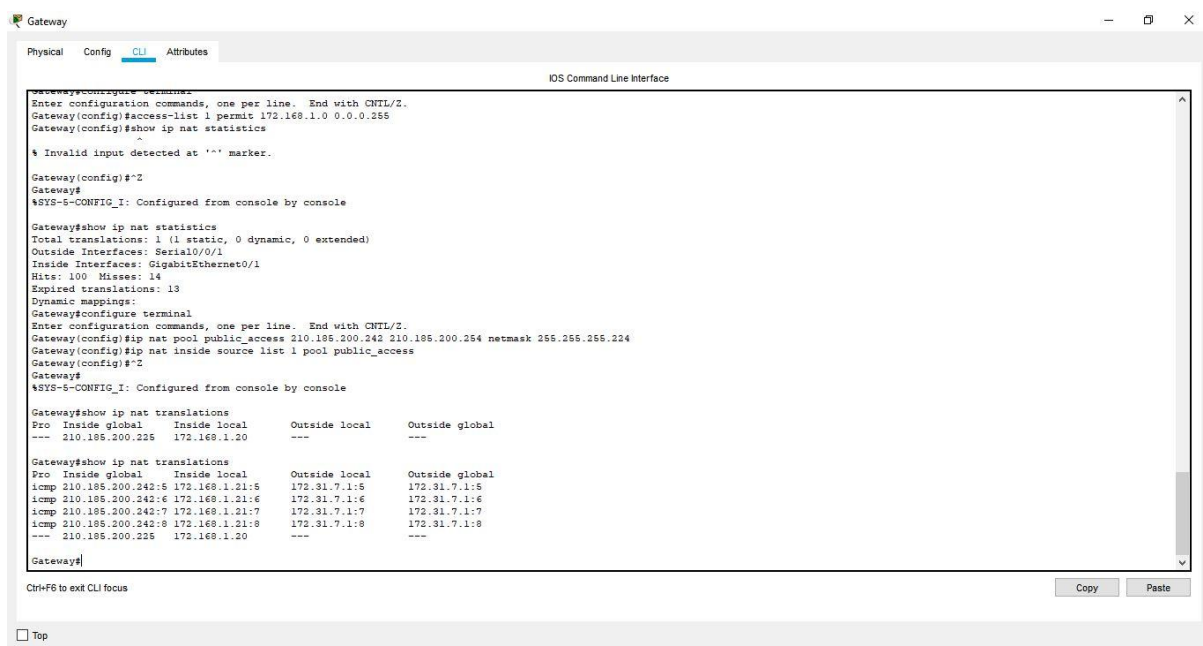
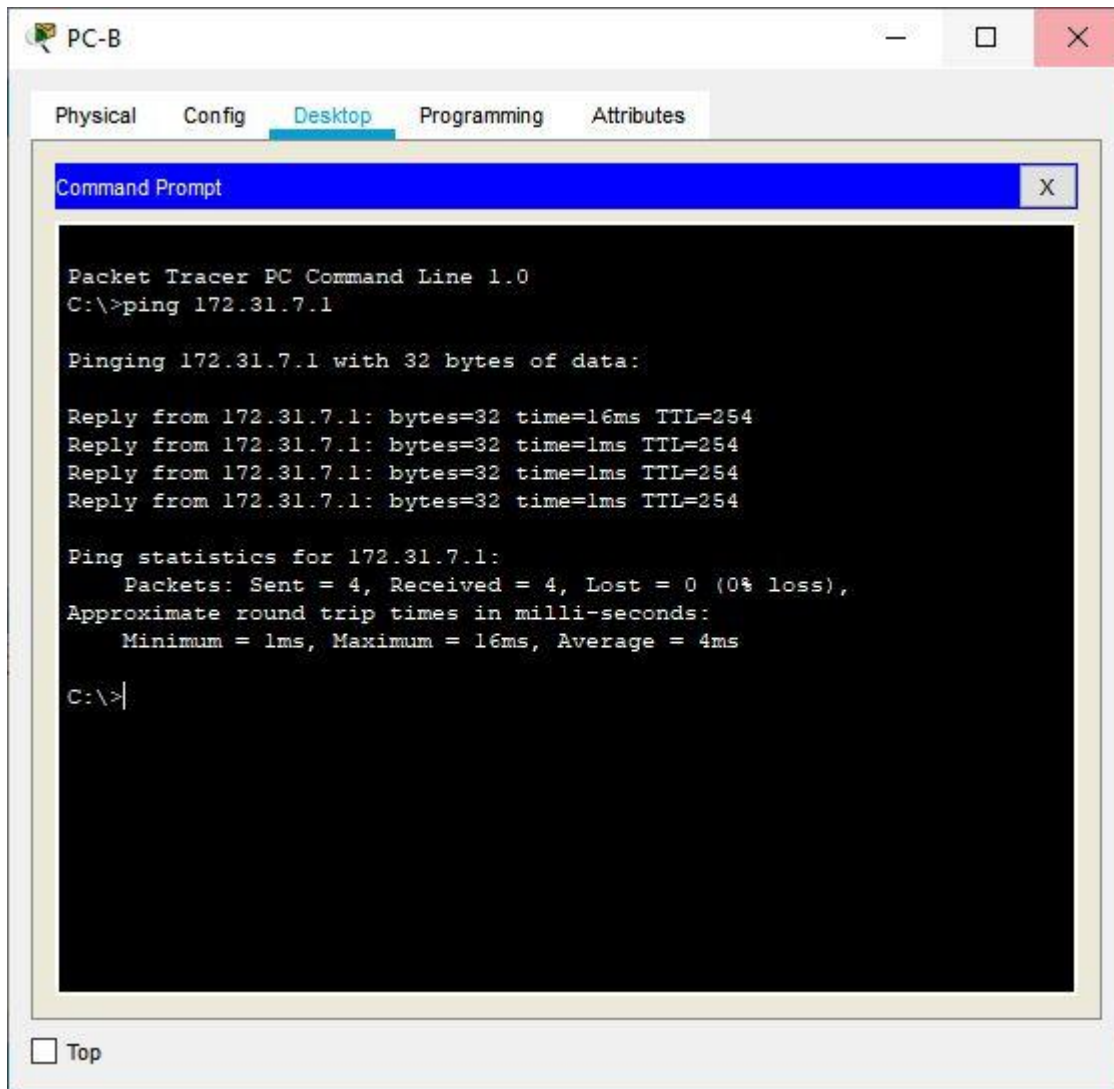
Gateway#

Ctrl+F6 to exit CLI focus

CopyPaste

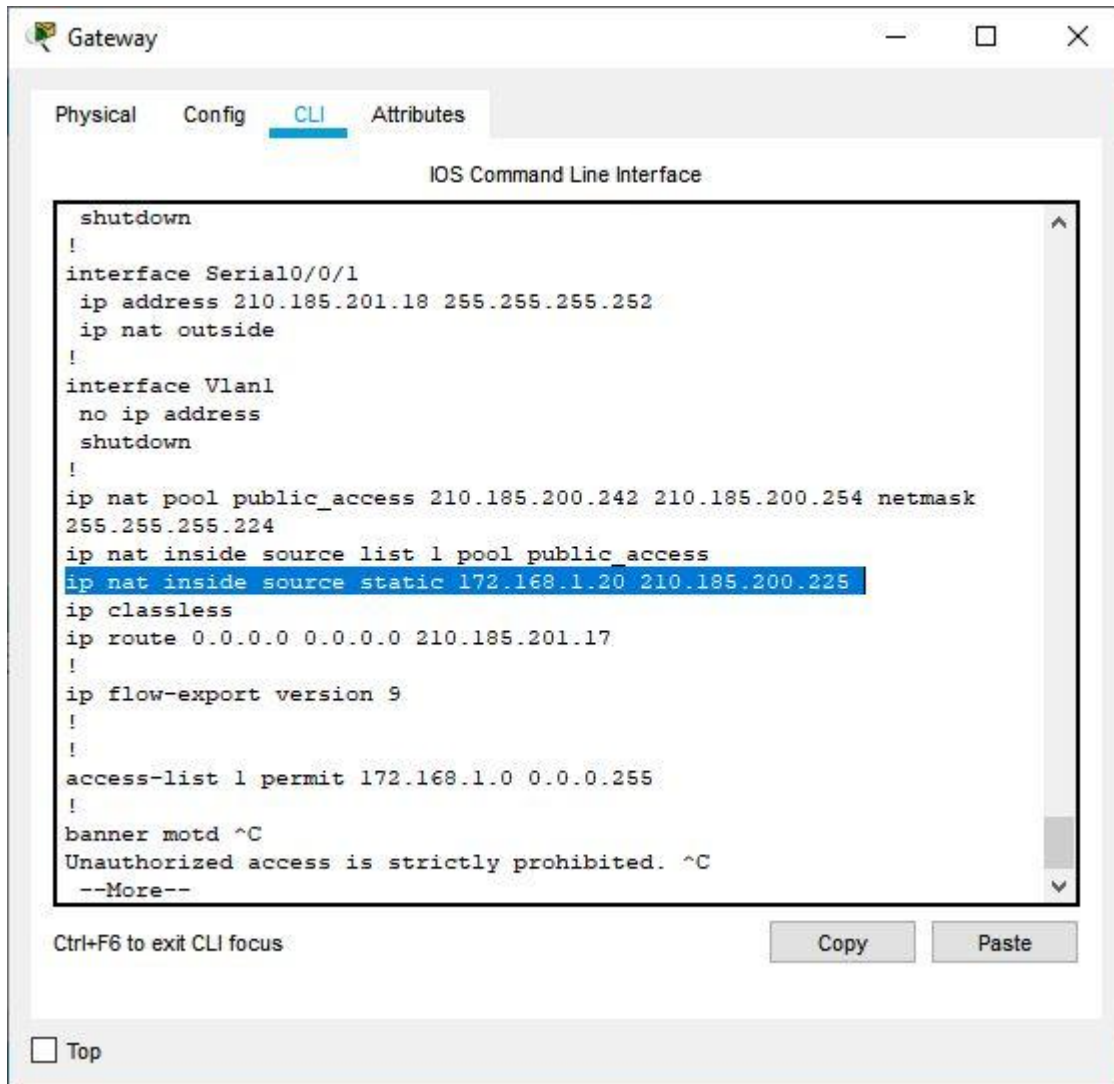
☐ Top





172.168.1.21 = 210.185.200.242


Port numbers used in ICMP exchange are 5,6,7,8



The screenshot shows a window titled "Gateway" with tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The configuration text is as follows:

```
shutdown
!
interface Serial0/0/1
 ip address 210.185.201.18 255.255.255.252
 ip nat outside
!
interface Vlan1
 no ip address
 shutdown
!
ip nat pool public_access 210.185.200.242 210.185.200.254 netmask
255.255.255.224
ip nat inside source list 1 pool public_access
ip nat inside source static 172.168.1.20 210.185.200.225
ip classless
ip route 0.0.0.0 0.0.0.0 210.185.201.17
!
ip flow-export version 9
!
!
access-list 1 permit 172.168.1.0 0.0.0.255
!
banner motd ^C
Unauthorized access is strictly prohibited. ^C
--More--
```

Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" label and "Copy" and "Paste" buttons. At the bottom left, there is a "Top" button with a checkbox.

 Gateway

PhysicalConfigCLIAttributes

IOS Command Line Interface

```
ip route 0.0.0.0 0.0.0.0 210.185.201.17
!
ip flow-export version 9
!
!
access-list 1 permit 172.168.1.0 0.0.0.255
!
banner motd ^C
Unauthorized access is strictly prohibited. ^C
!

Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#no ip nat inside source static 172.168.1.20
210.185.200.225
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console

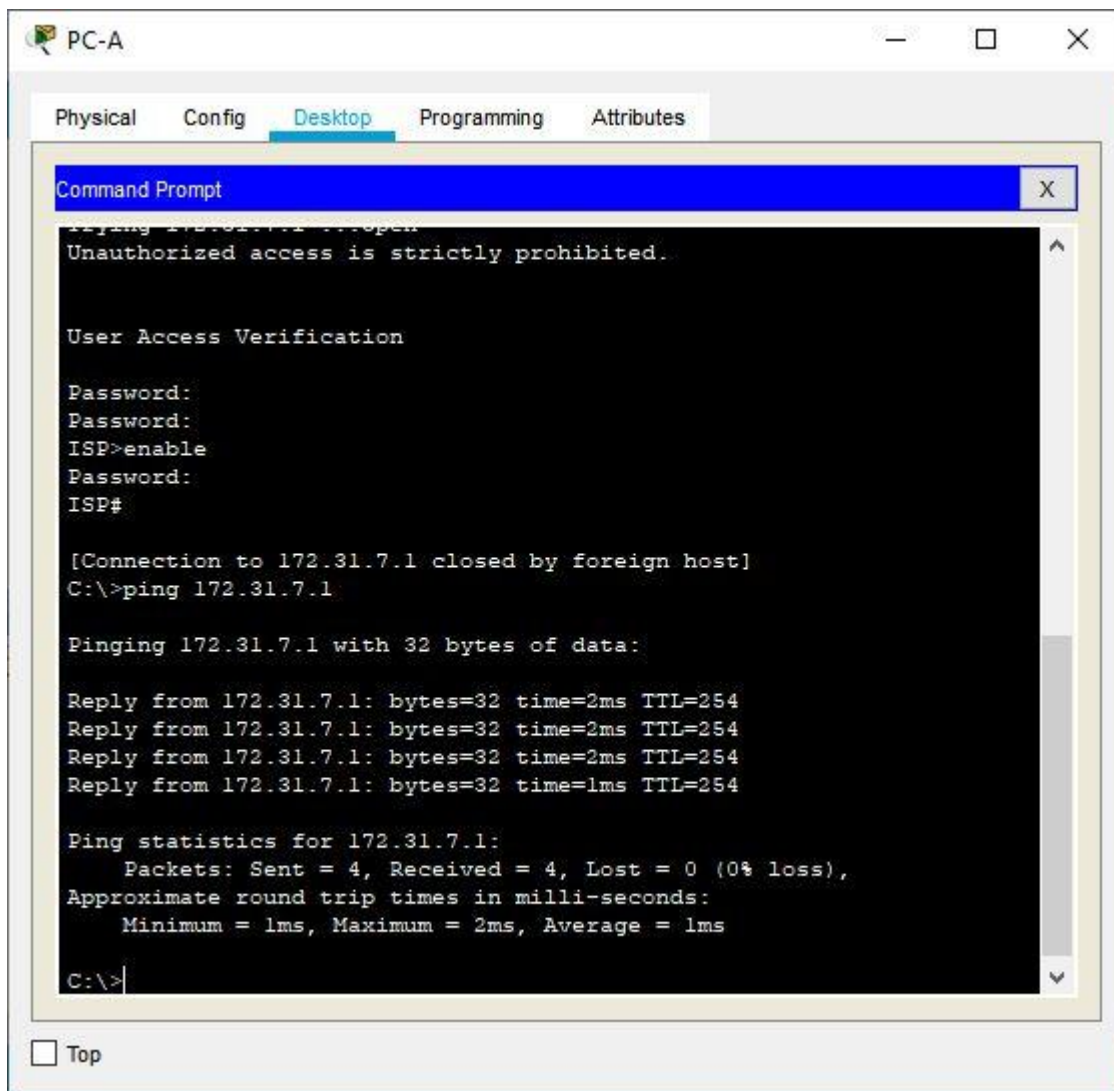
Gateway#clear ip nat translations *
^
% Invalid input detected at '^' marker.

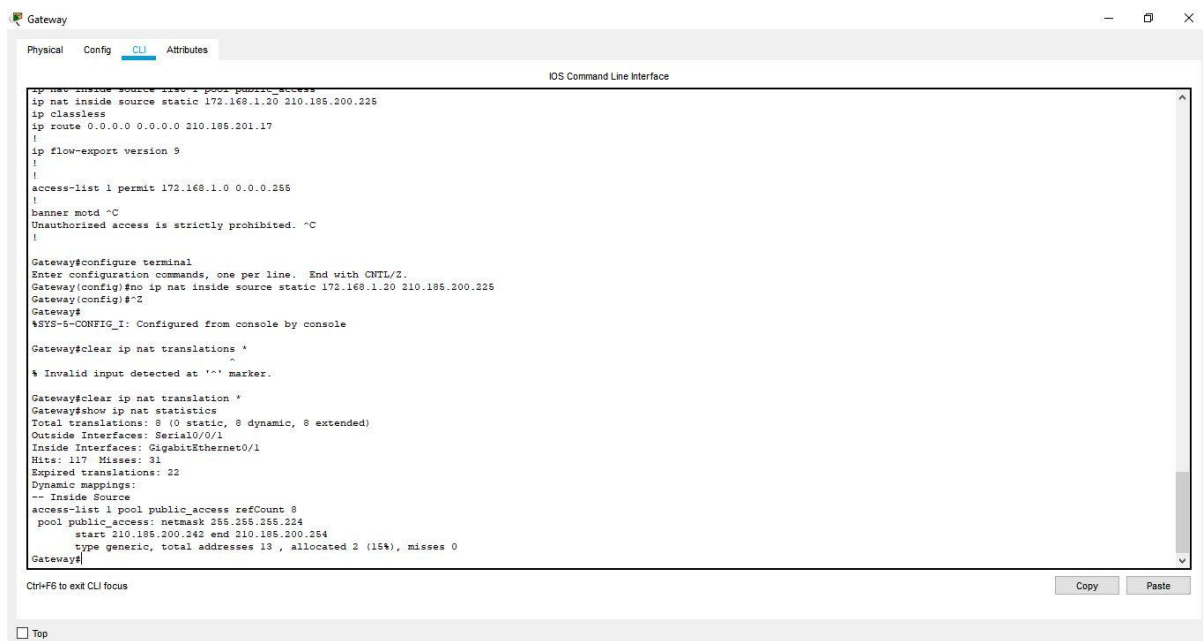
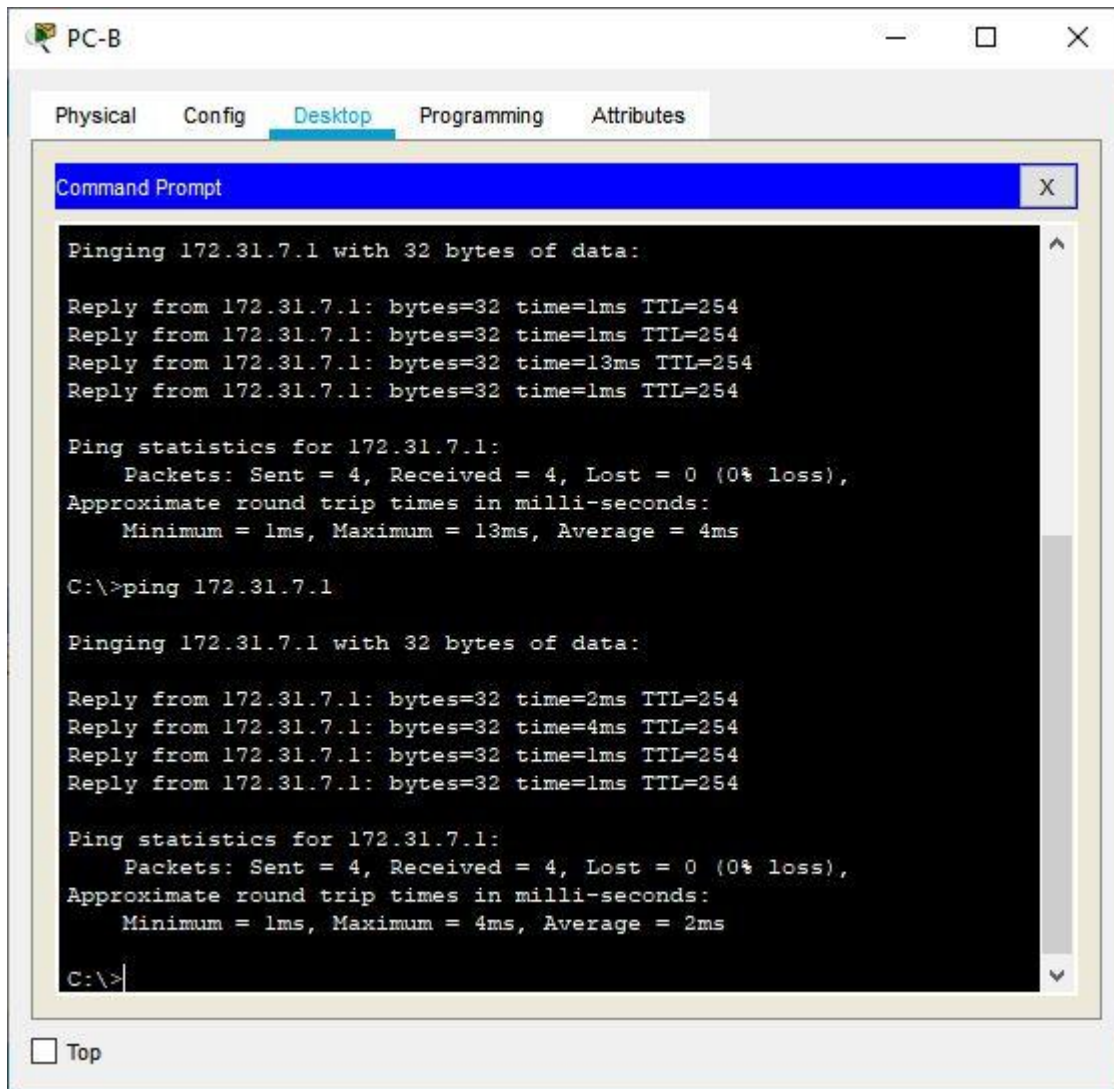
Gateway#clear ip nat translation *
Gateway#
```

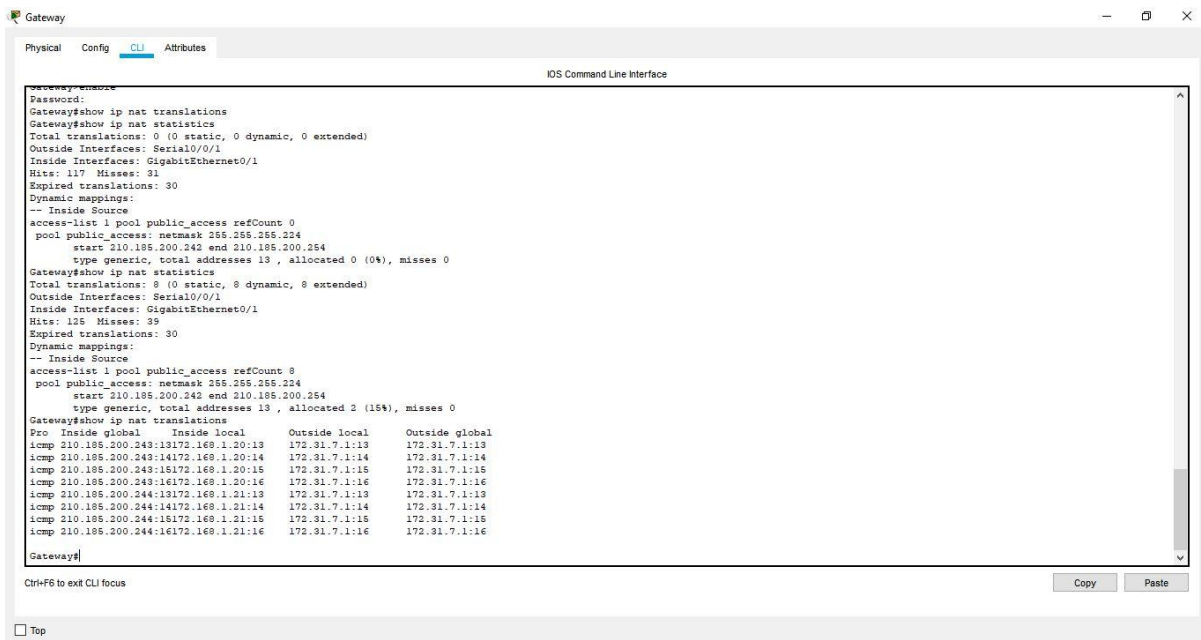
Ctrl+F6 to exit CLI focus

CopyPaste

☐ Top







```

type generic, total addresses 13 , allocated 0 (0%), misses 0
Gateway#show ip nat statistics
Total translations: 8 (0 static, 8 dynamic, 8 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 133 Misses: 47
Expired translations: 38
Dynamic mappings:
-- Inside Source
access-list 1 pool public_access refCount 8
pool public_access: netmask 255.255.255.224
start 210.185.200.242 end 210.185.200.254
type generic, total addresses 13 , allocated 2 (15%), misses 0
Gateway#

```