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Department : BS(CS)

Semester : 4th

ID # : 15066

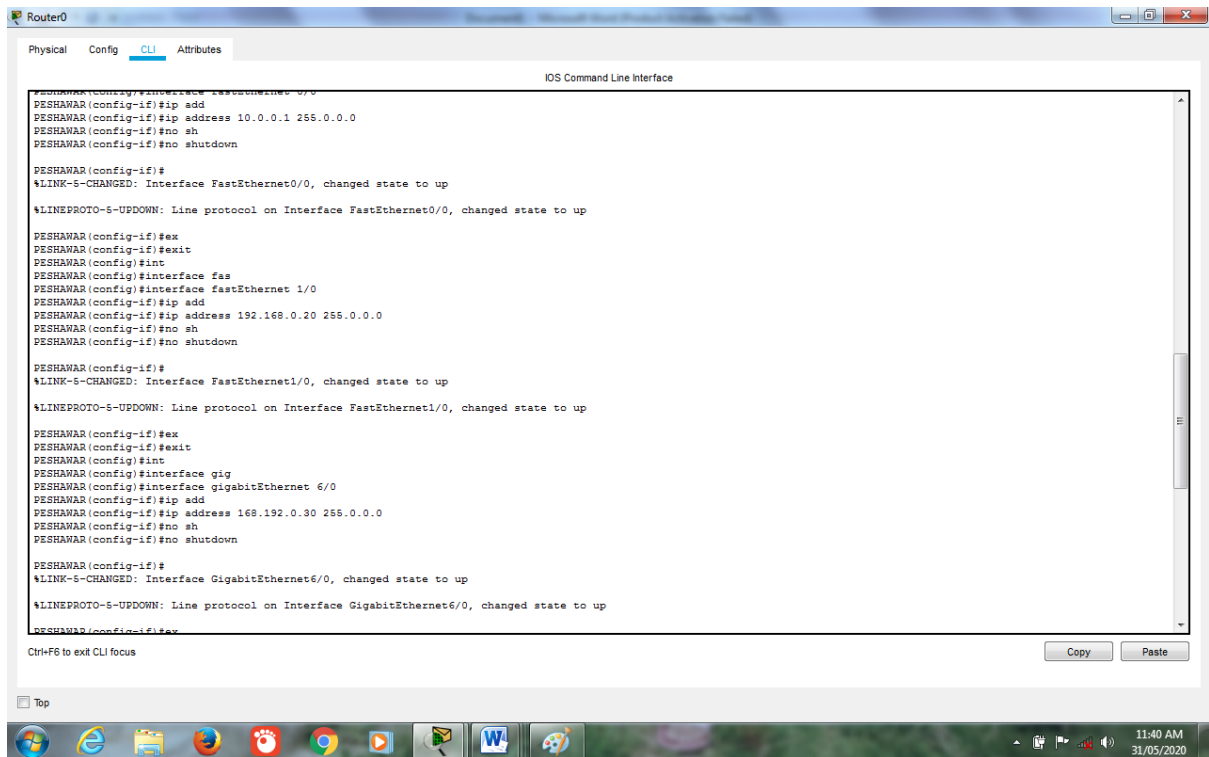
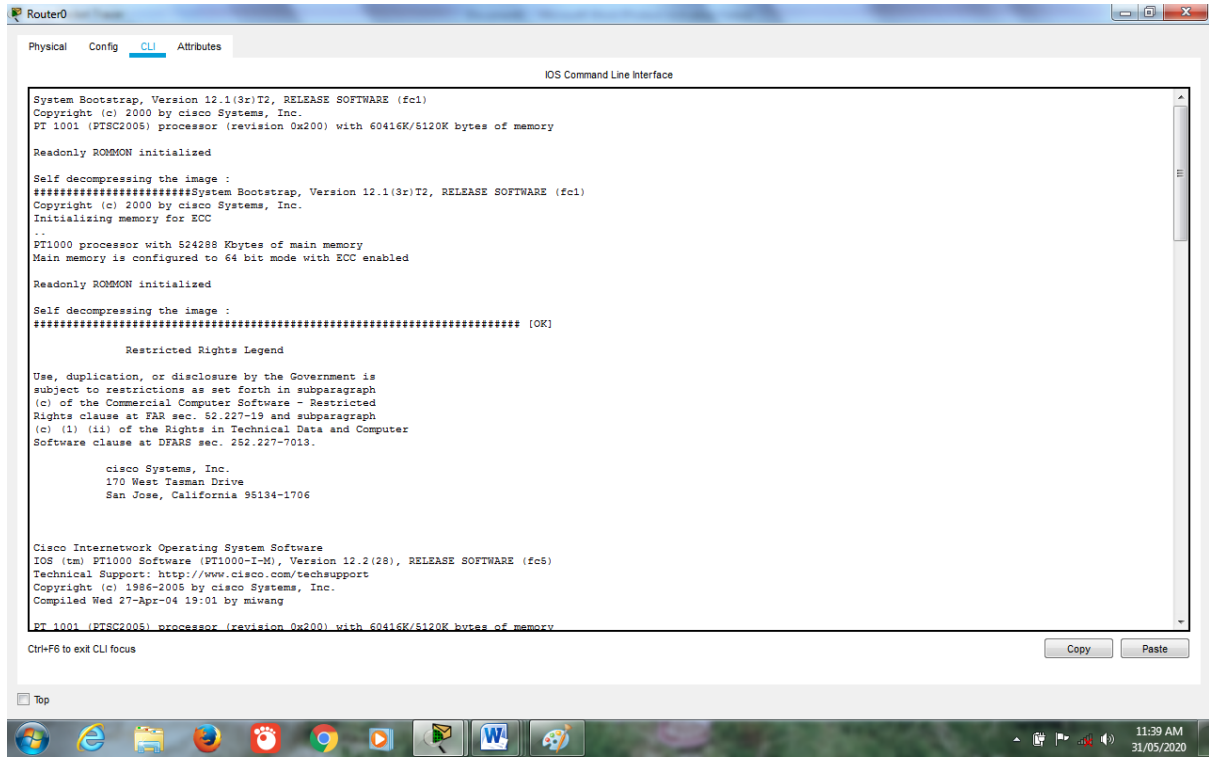
Sessional Assignment No : 1st

Subject : Data Communication  
And Network (LAB)

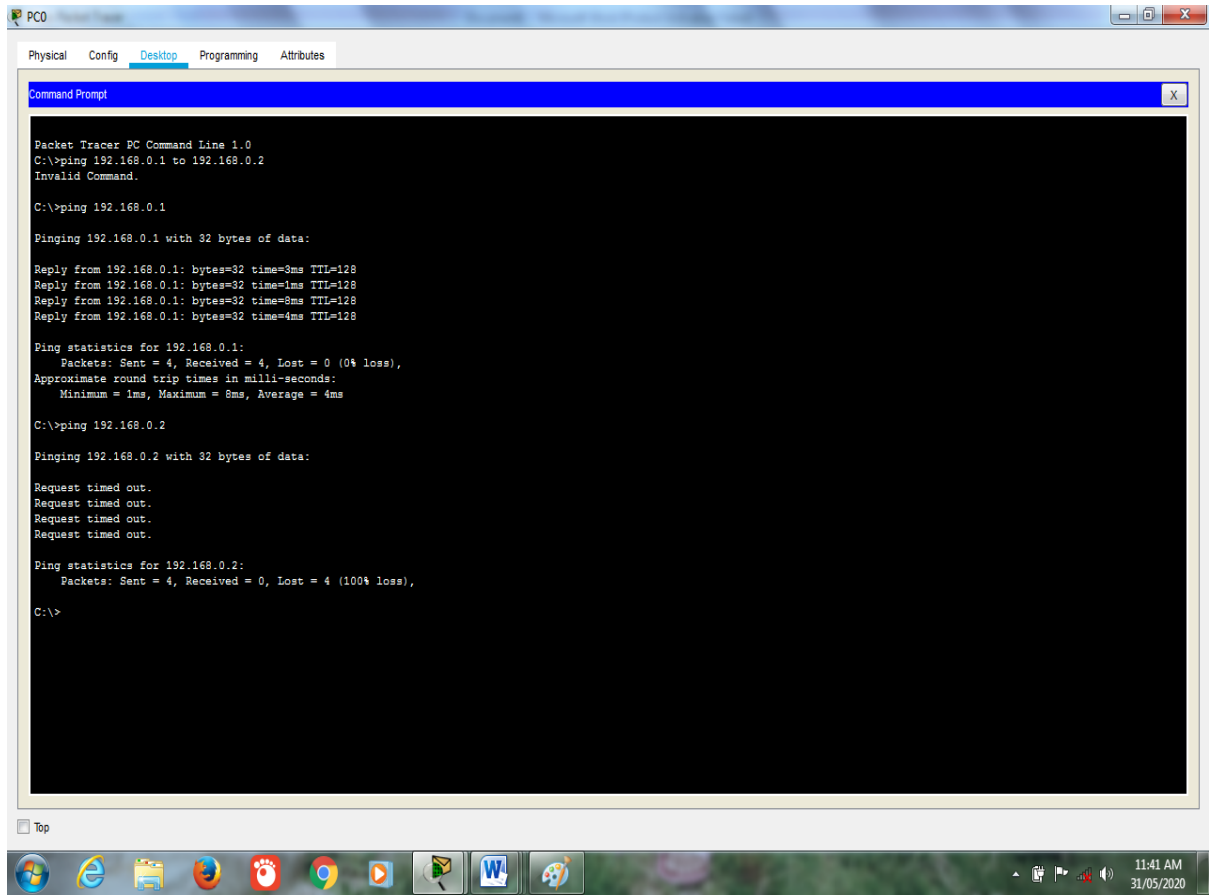
Submitted To : Engr. Ghassan Husnain Sir

Dated : 4<sup>th</sup> June 2020





## Ping One PC to Other:



The screenshot shows a Packet Tracer PC Command Line window for PC0. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.1 to 192.168.0.2
Invalid Command.

C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time=3ms TTL=128
Reply from 192.168.0.1: bytes=32 time=1ms TTL=128
Reply from 192.168.0.1: bytes=32 time=8ms TTL=128
Reply from 192.168.0.1: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 8ms, Average = 4ms

C:\>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

The Windows taskbar at the bottom shows the Start button, several application icons (Internet Explorer, File Explorer, Firefox, Steam, Chrome, VLC, Mail, Word, Paint), and system tray icons including the volume icon and the date/time display (11:41 AM, 31/05/2020).

## **Task 2:**

### Apply Login Password on Router:

```
Router0
Physical Config CLI Attributes
IOS Command Line Interface

Press RETURN to get started!

Router>en
Router>enable
Router#confi
Router#conf
Router#configure t
Enter configuration commands, one per line. End with CNTL/Z.
Router (config)#hostname Musa
Musa (config)#int
Musa (config)#interface fa
Musa (config)#interface fastEthernet 0/0
Musa (config-if)#ip add
Musa (config-if)#ip address 10.0.0.1 255.0.0.0
Musa (config-if)#no sh
Musa (config-if)#no shutdown

Musa (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

Musa (config-if)#ex
Musa (config-if)#exit
Musa (config)#int
Musa (config)#interface fa
Musa (config)#interface fastEthernet 1/0
Musa (config-if)#ip add
Musa (config-if)#ip address 192.168.0.20 255.0.0.0
Musa (config-if)#no sh
Musa (config-if)#no shutdown

Musa (config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Ctrl+F6 to exit CLI focus
```

```
Router0
Physical Config CLI Attributes
IOS Command Line Interface

Musa (config-line)#exit
Musa (config)#exit
Musa#
%SYS-5-CONFIG_I: Configured from console by console
Musa#exit

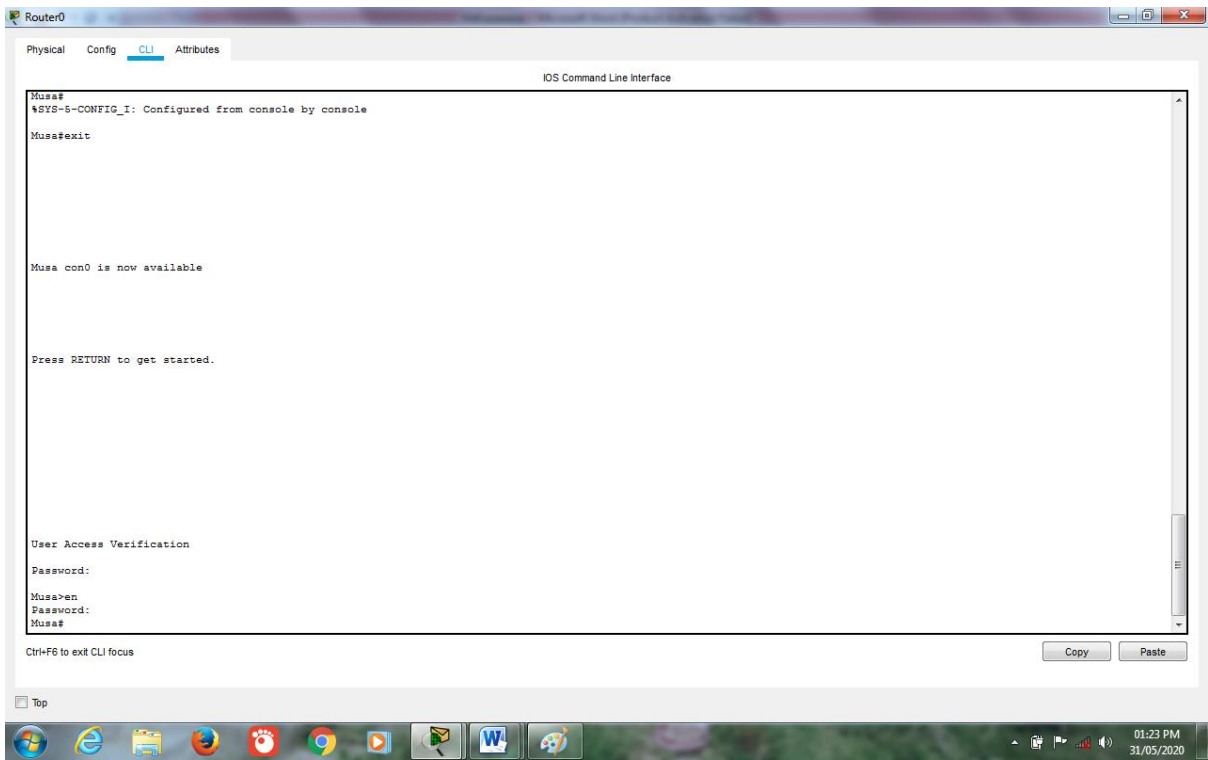
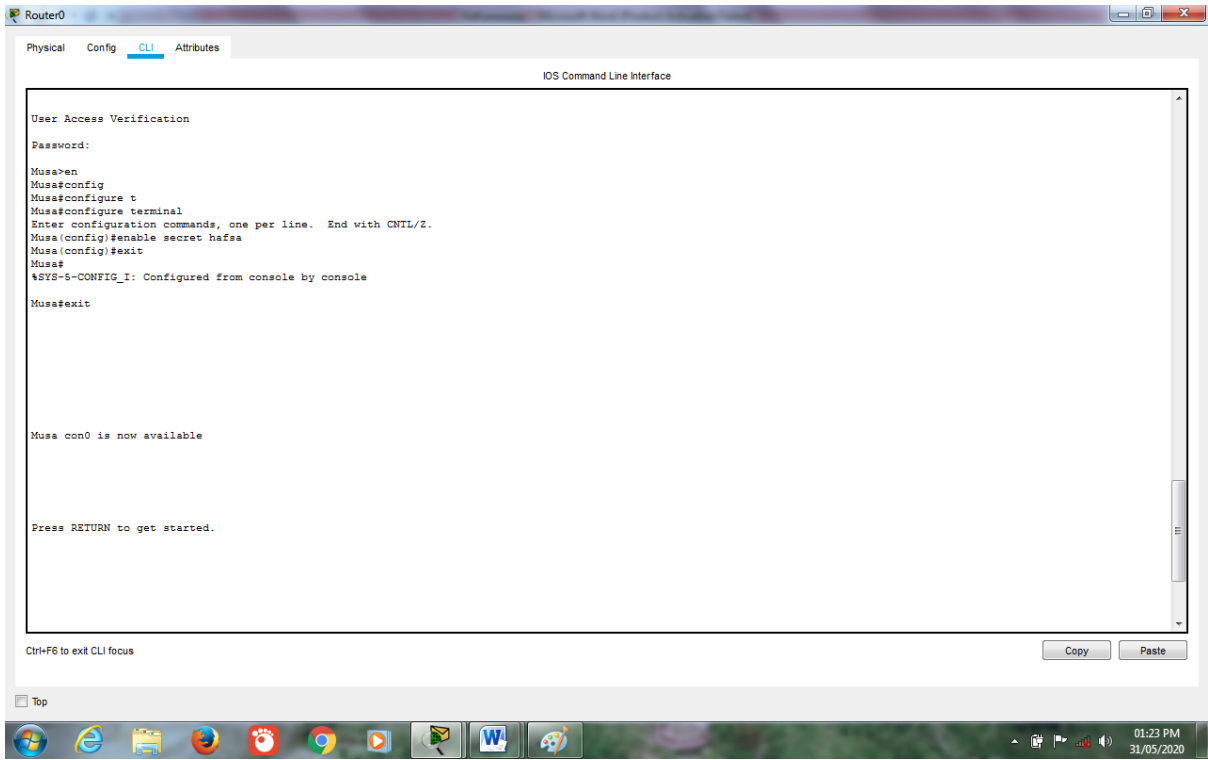
Musa con0 is now available

Press RETURN to get started.

User Access Verification
Password:
Musa>en

Ctrl+F6 to exit CLI focus
```

**Enable Secret Password:**

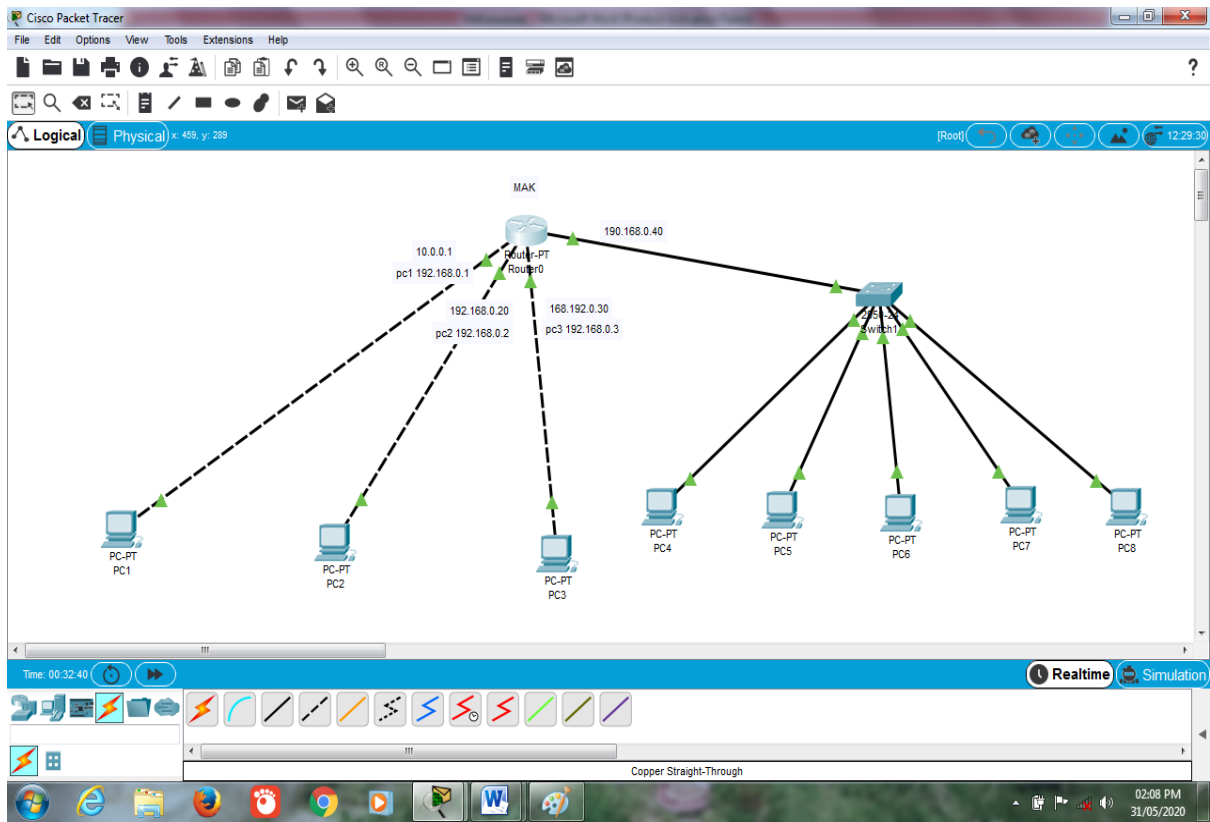


**Show Banner:**



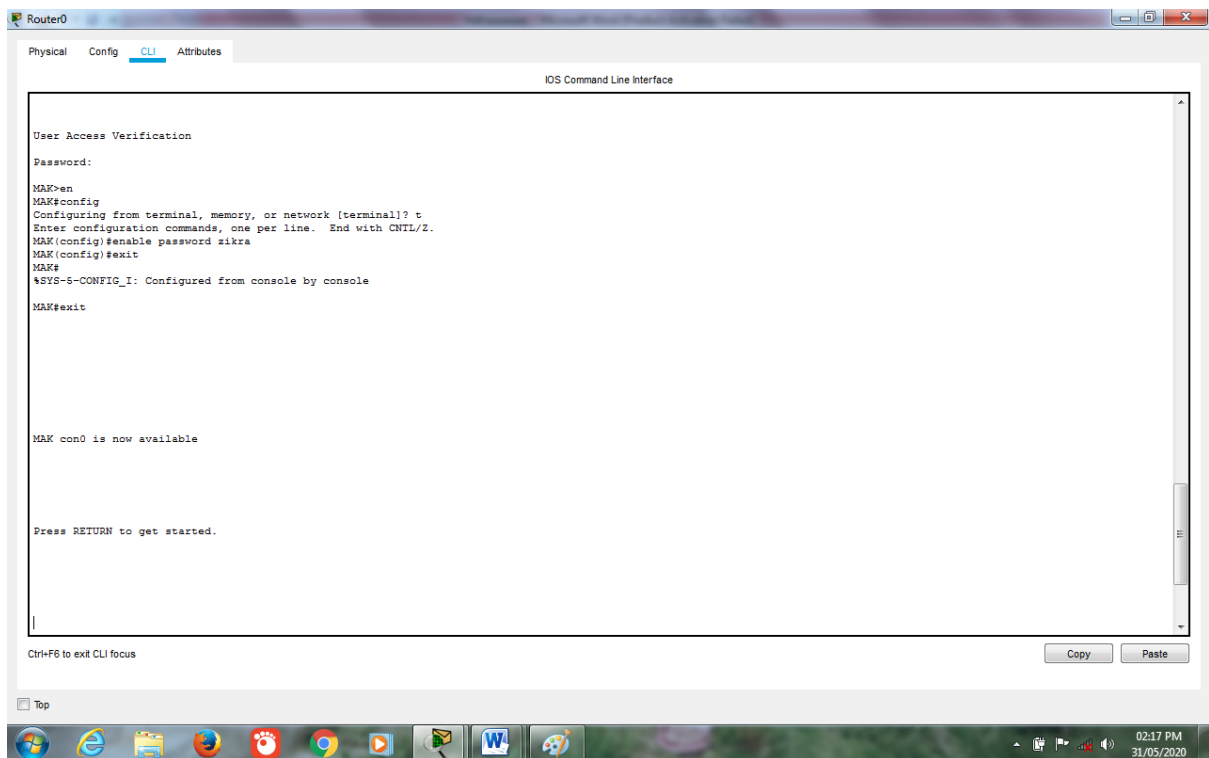
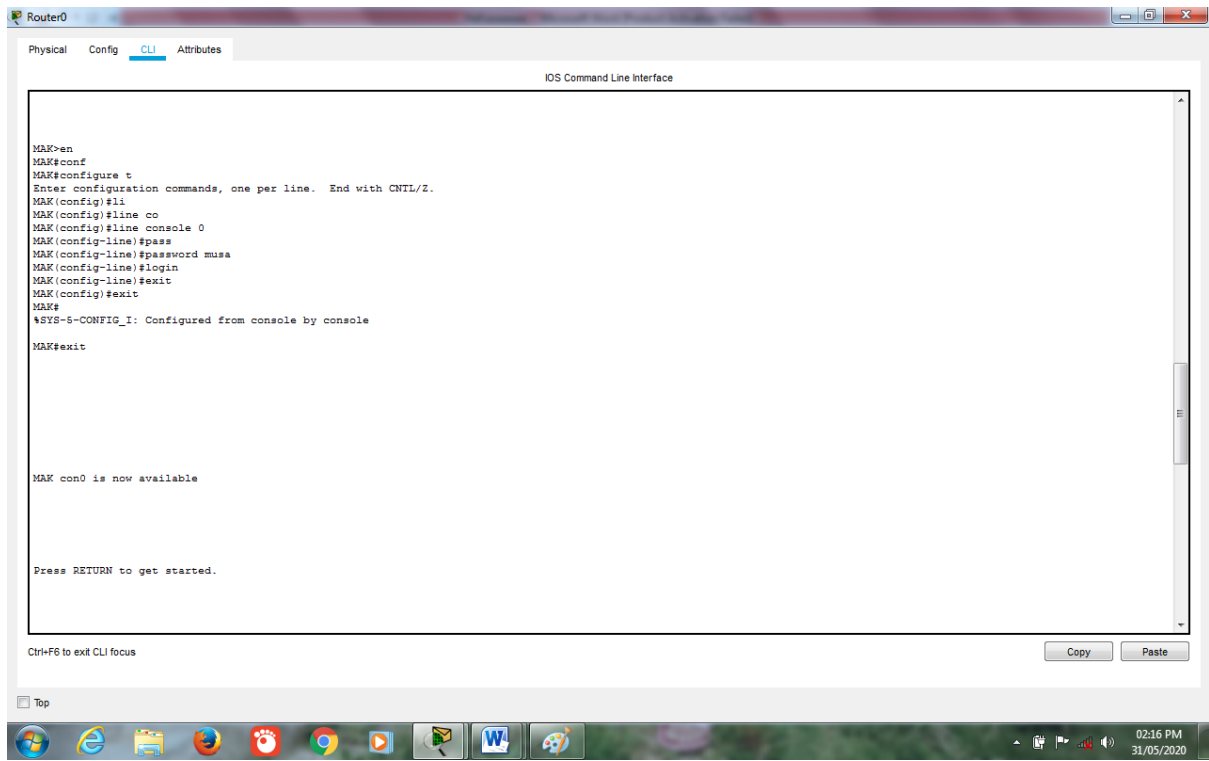
### Task 3:

#### Network Topology:

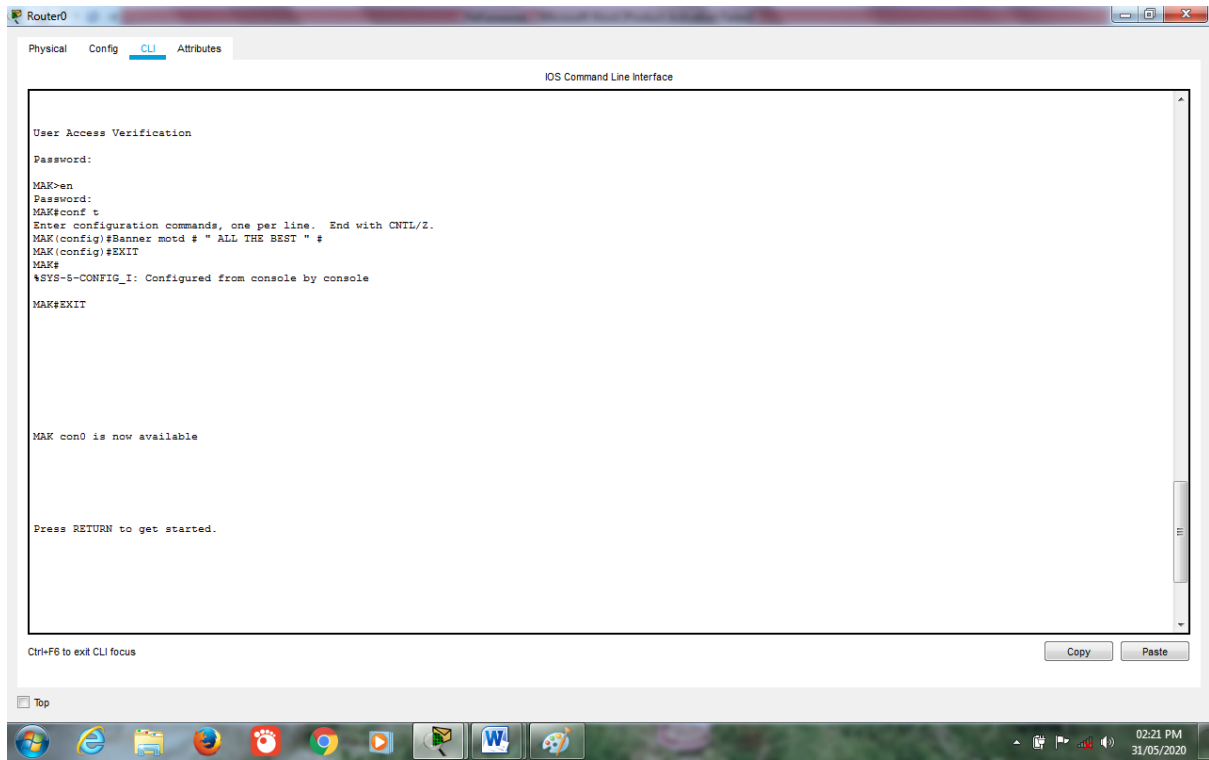


#### Enable Password on Router:





## Banner on Router:



The screenshot shows the Router0 CLI interface with the following text:

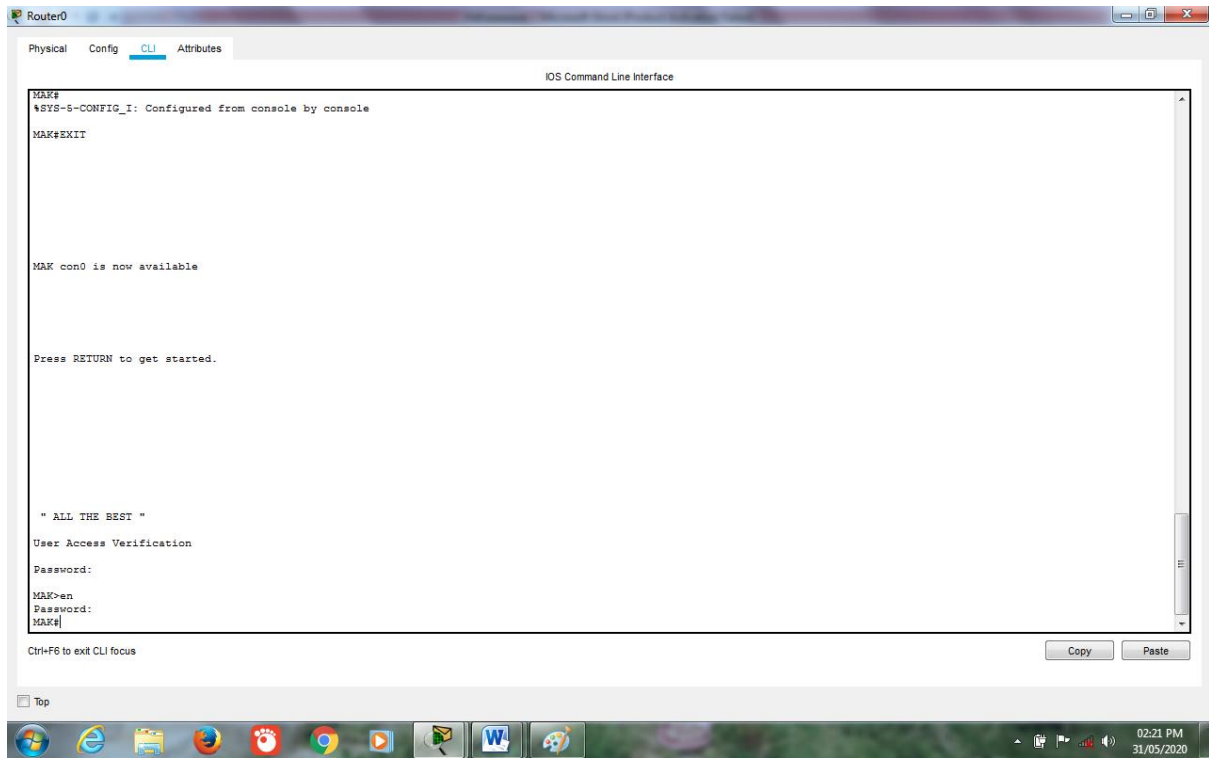
```
Physical Config CLI Attributes
IOS Command Line Interface

User Access Verification
Password:
MAK>en
Password:
MAK#conf t
Enter configuration commands, one per line. End with CNTL/Z.
MAK(config)#Banner motd # " ALL THE BEST " #
MAK(config)#EXIT
MAK#
%SYS-5-CONFIG_I: Configured from console by console
MAK#EXIT

MAK con0 is now available

Press RETURN to get started.
```

At the bottom of the window, there are "Copy" and "Paste" buttons, and a "Top" button. The Windows taskbar at the bottom shows the time as 02:21 PM on 31/05/2020.



The screenshot shows the Router0 CLI interface with the following text:

```
Physical Config CLI Attributes
IOS Command Line Interface

MAK#
%SYS-5-CONFIG_I: Configured from console by console
MAK#EXIT

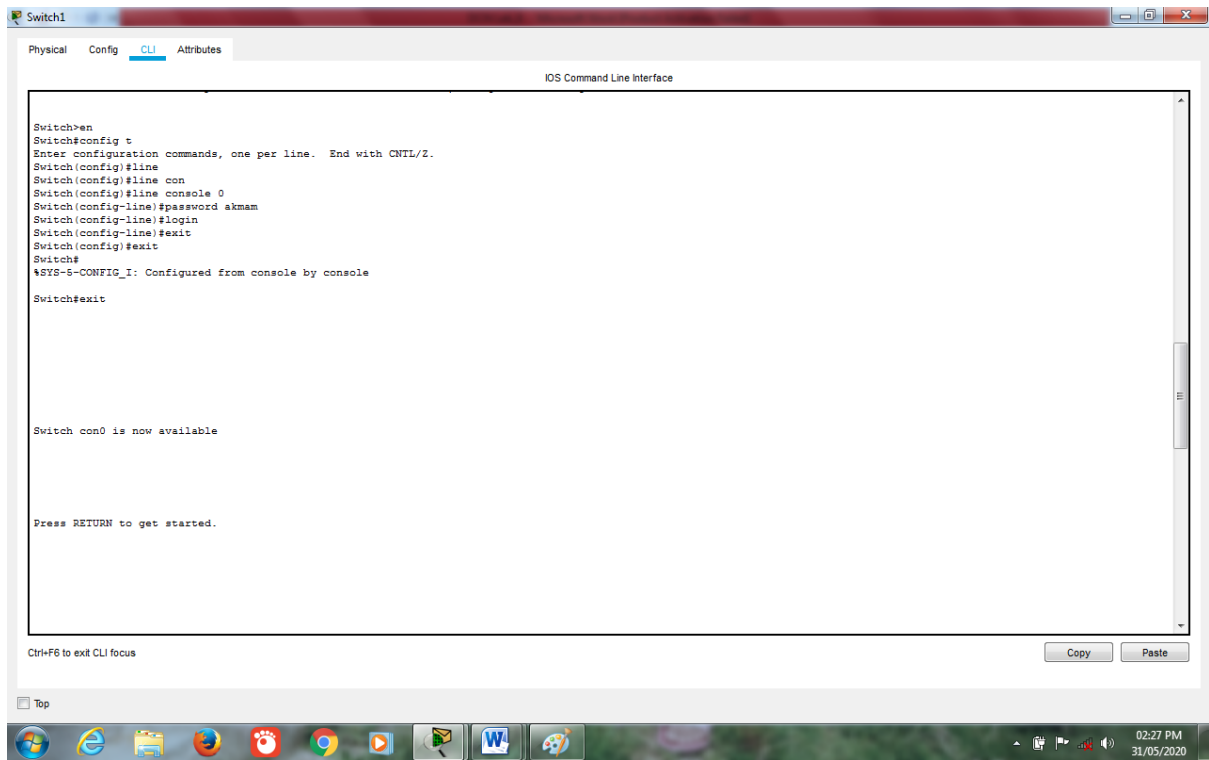
MAK con0 is now available

Press RETURN to get started.

" ALL THE BEST "
User Access Verification
Password:
MAK>en
Password:
MAK#
```

At the bottom of the window, there are "Copy" and "Paste" buttons, and a "Top" button. The Windows taskbar at the bottom shows the time as 02:21 PM on 31/05/2020.

## Enable Password on Switch:



```
Switch1
Physical Config CLI Attributes
IOS Command Line Interface

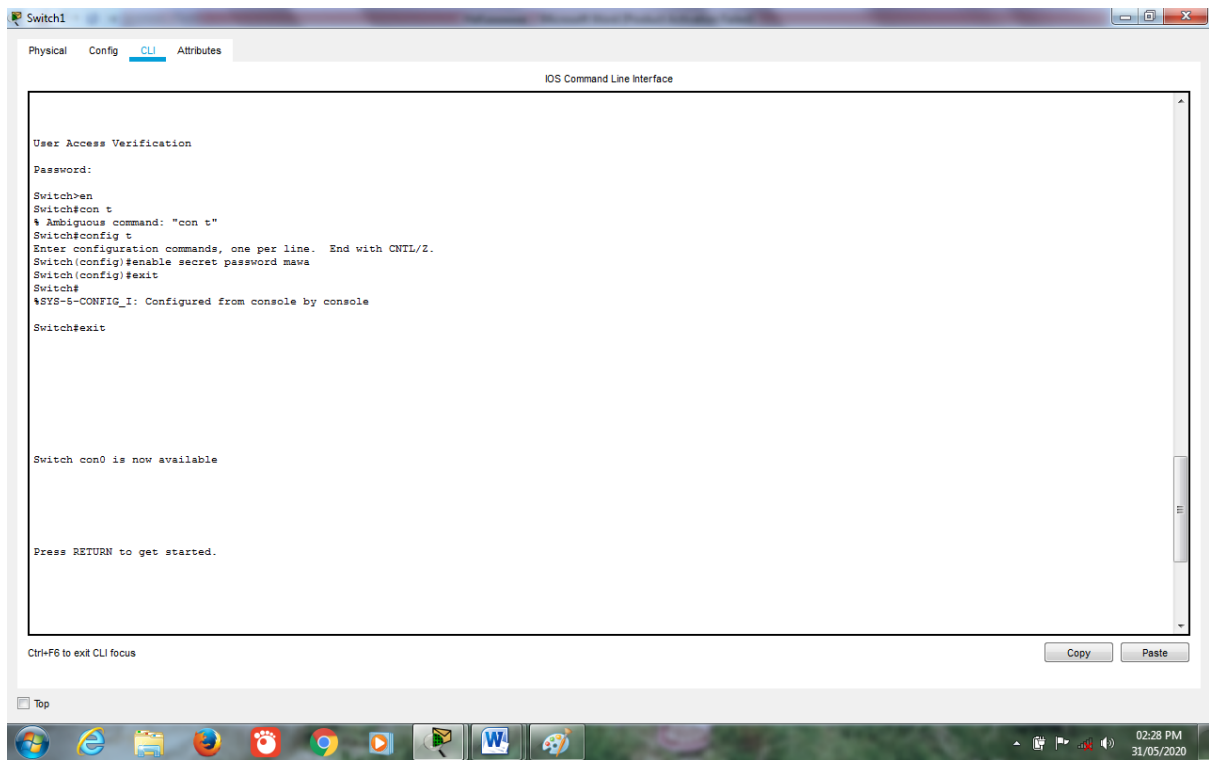
Switch>en
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line
Switch(config)#line con
Switch(config)#line console 0
Switch(config-line)#password akmam
Switch(config-line)#login
Switch(config-line)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#exit

Switch con0 is now available

Press RETURN to get started.

Ctrl+F6 to exit CLI focus
Copy Paste
```



```
Switch1
Physical Config CLI Attributes
IOS Command Line Interface

User Access Verification
Password:

Switch>en
Switch#con t
% Ambiguous command: "con t"
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#enable secret password mawa
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#exit

Switch con0 is now available

Press RETURN to get started.

Ctrl+F6 to exit CLI focus
Copy Paste
```

