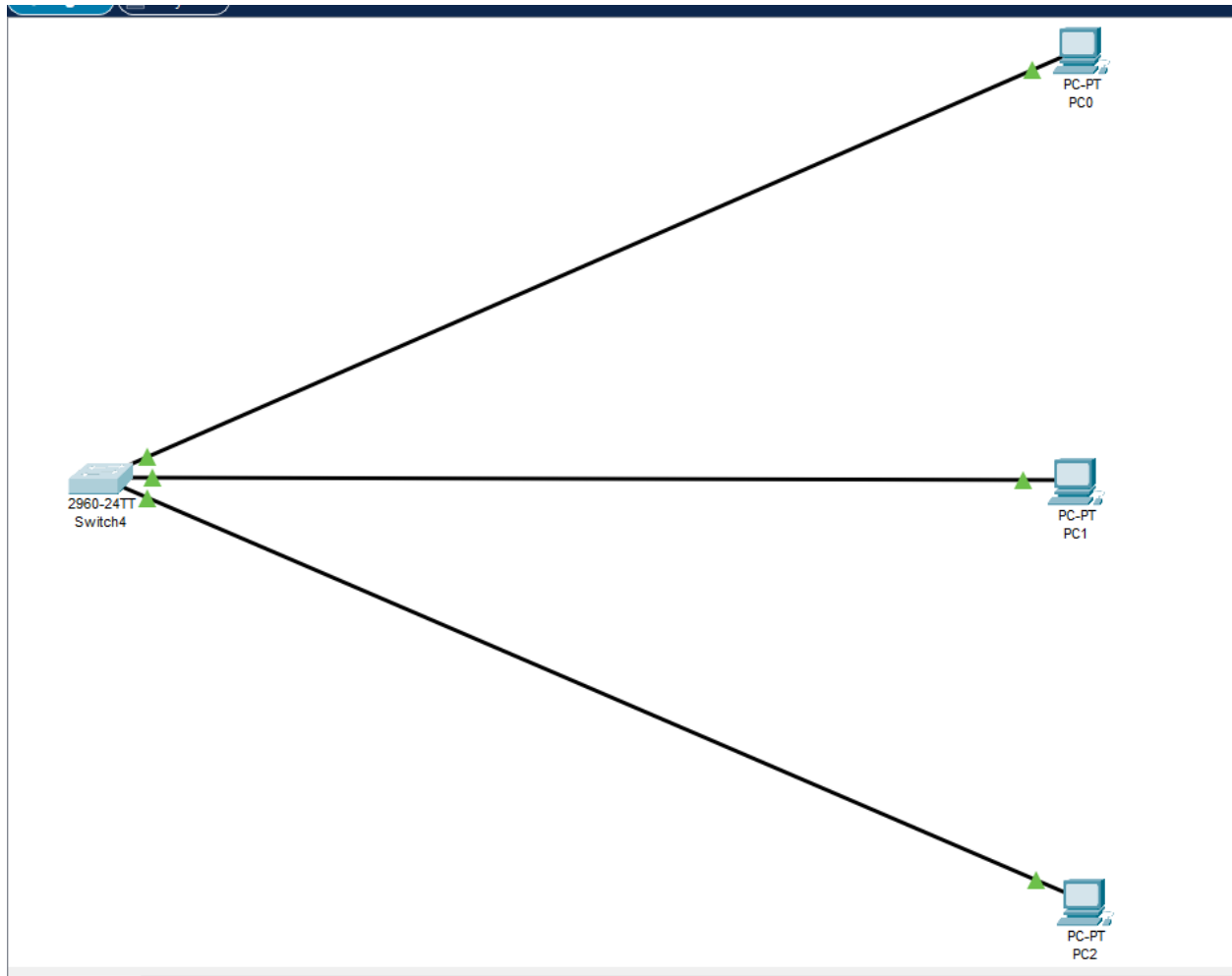


Experiment 1: Upload a word document with screen shots of the first experiment with clear steps

Computer network practical



Now click on pc0 and give ip configuration

The screenshot shows a window titled "PC0" with a tabbed interface. The "Desktop" tab is selected, displaying the "IP Configuration" section. The "Interface" dropdown is set to "FastEthernet0".

IP Configuration

Interface: FastEthernet0

☐ DHCP ☒ Static

IPv4 Address: 10.0.0.1

Subnet Mask: 255.255.255.0

Default Gateway: 10.0.0.50

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::202:17FF:FE28:7A0

Default Gateway:

DNS Server:

802.1X

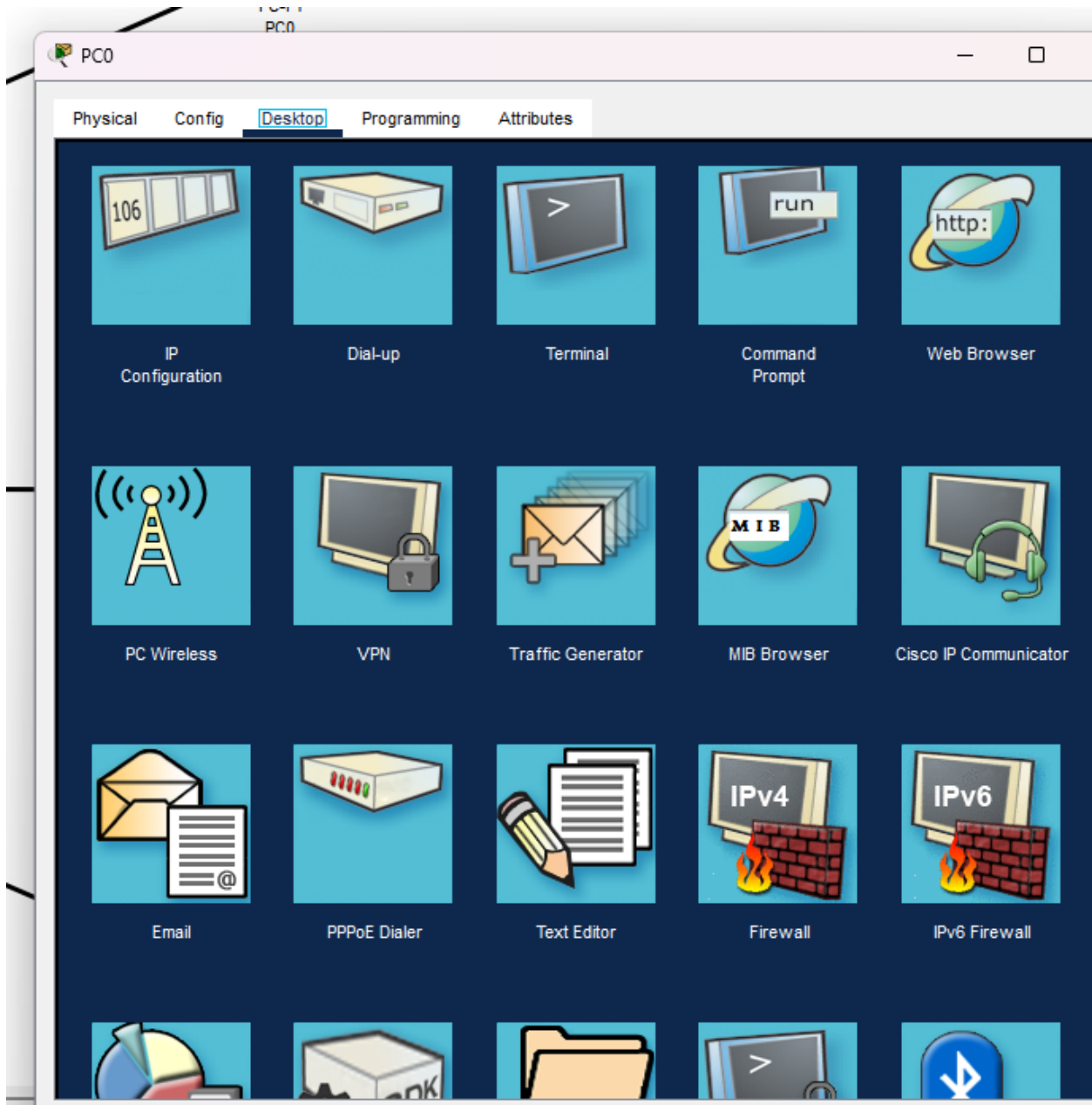
☐ Use 802.1X Security

Authentication: MD5

Username:

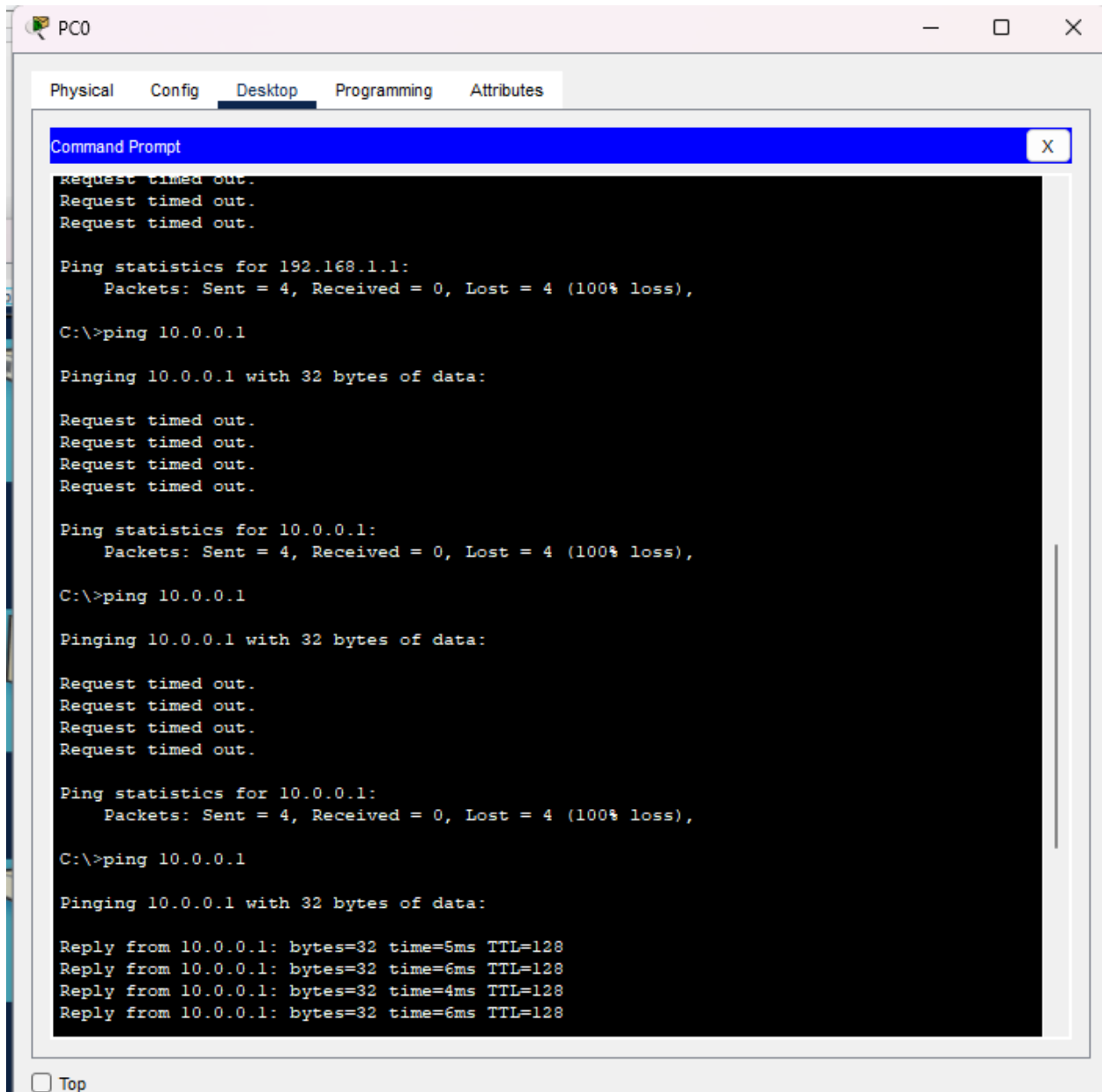
Password:

☐ Top



Go to command prompt

PC0 Command Prompt



The screenshot shows a window titled "PC0" with a tabbed interface. The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the results of a ping command to 10.0.0.1. The output indicates that all four packets sent were lost, resulting in a 100% loss. The ping statistics for 10.0.0.1 are: Packets: Sent = 4, Received = 0, Lost = 4 (100% loss).

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

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

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

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

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

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

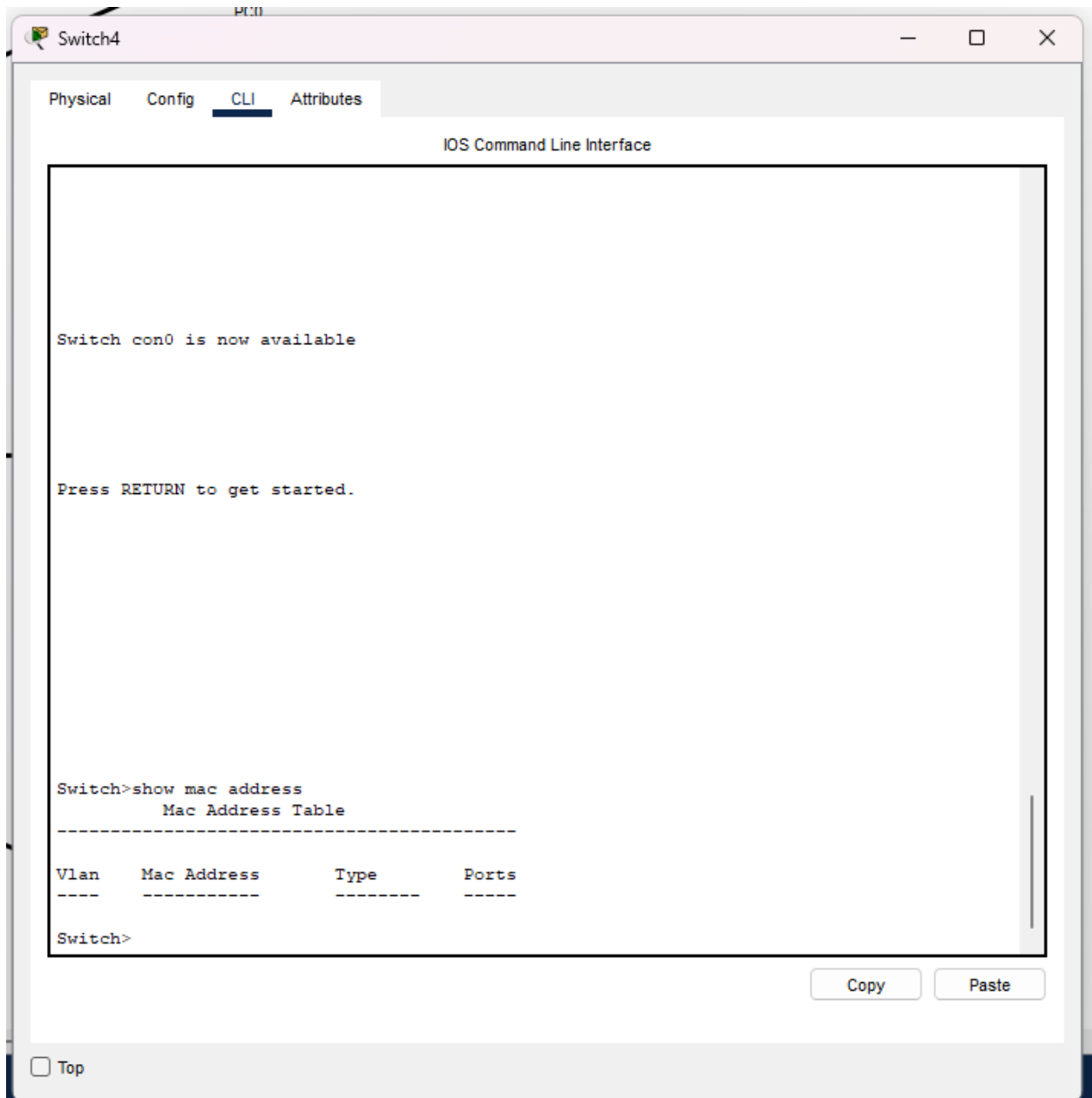
C:\>ping 10.0.0.1

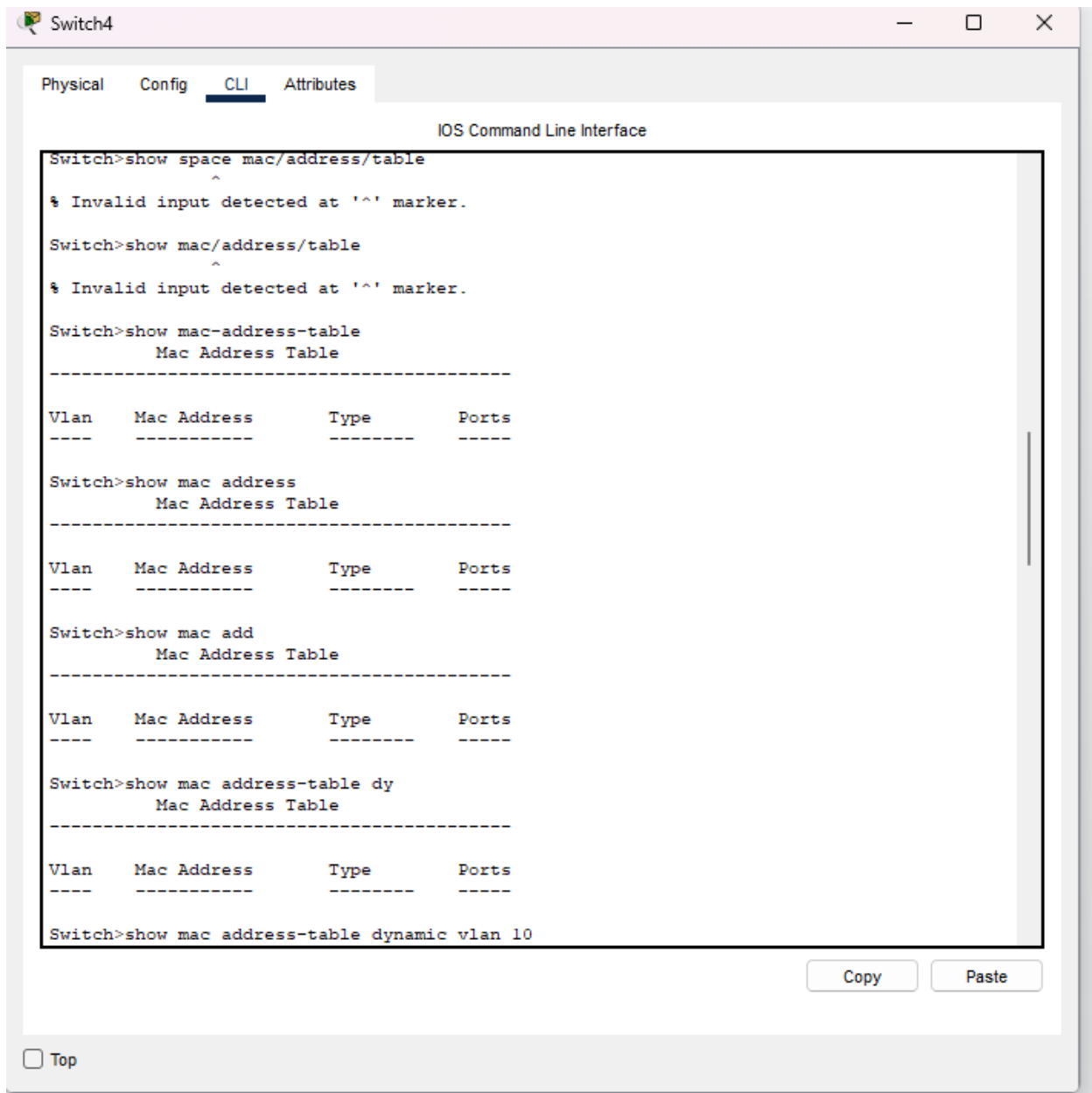
Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=5ms TTL=128
Reply from 10.0.0.1: bytes=32 time=6ms TTL=128
Reply from 10.0.0.1: bytes=32 time=4ms TTL=128
Reply from 10.0.0.1: bytes=32 time=6ms TTL=128
```

☐ Top

Go to Switch CLI and run 'show mac address'
And 'show mac-address-table'





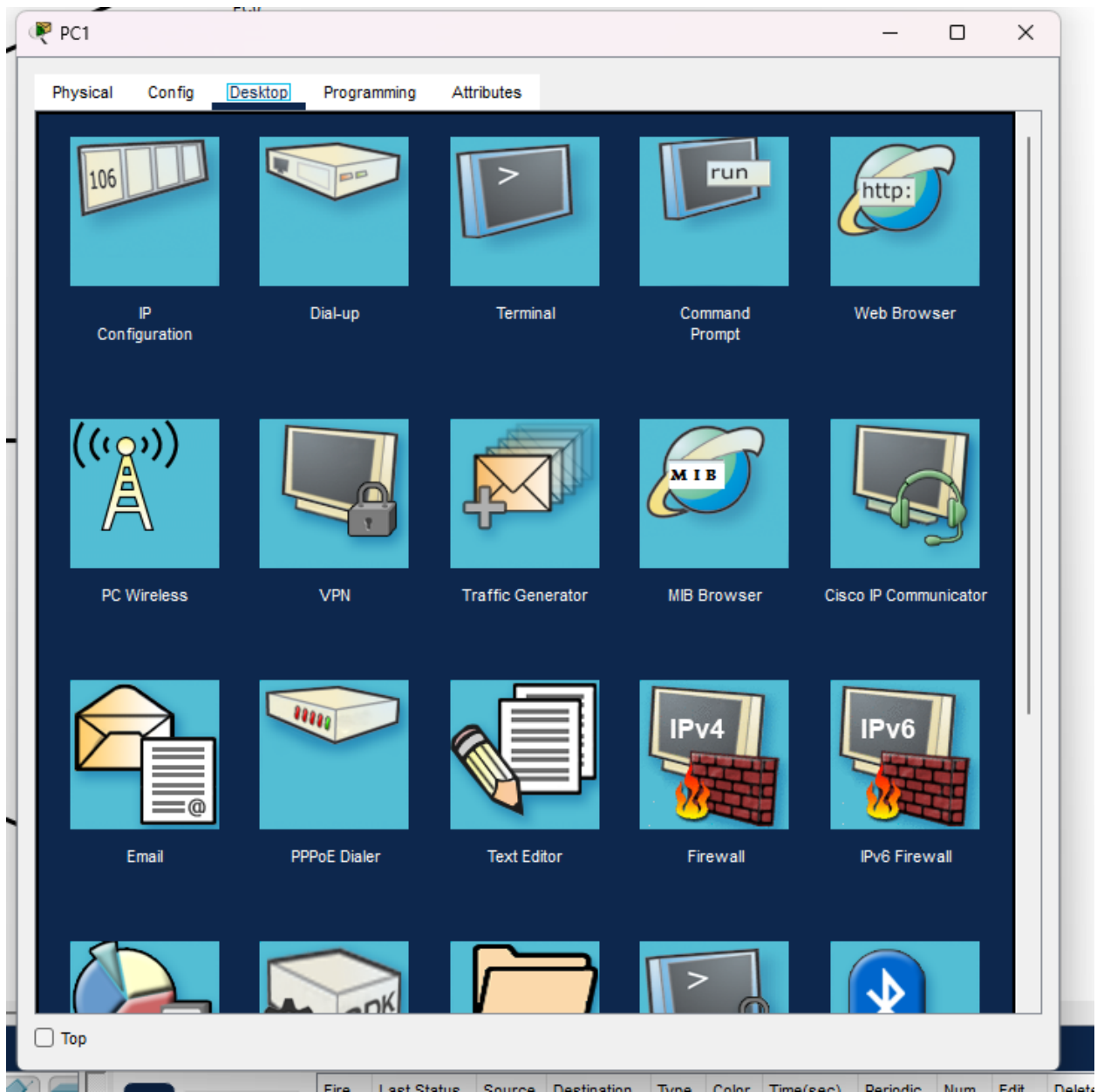
It is empty now

Go to pc0 -> Desktop -> command prompt write 'ping 10.0.0.1', 'ping 10.0.0.2' and 'ping 10.0.0.3'

Now go to switch->CLI now write 'show mac address'

Refer the last page to see

Pc1



PC1

Physical

Config

Desktop

Programming

Attributes

IP Configuration

X

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

10.0.0.2

Subnet Mask

255.0.0.0

Default Gateway

10.0.0.50

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

/

Link Local Address

FE80::202:4AFF:FE78:6966

Default Gateway

DNS Server

802.1X

Use 802.1X Security

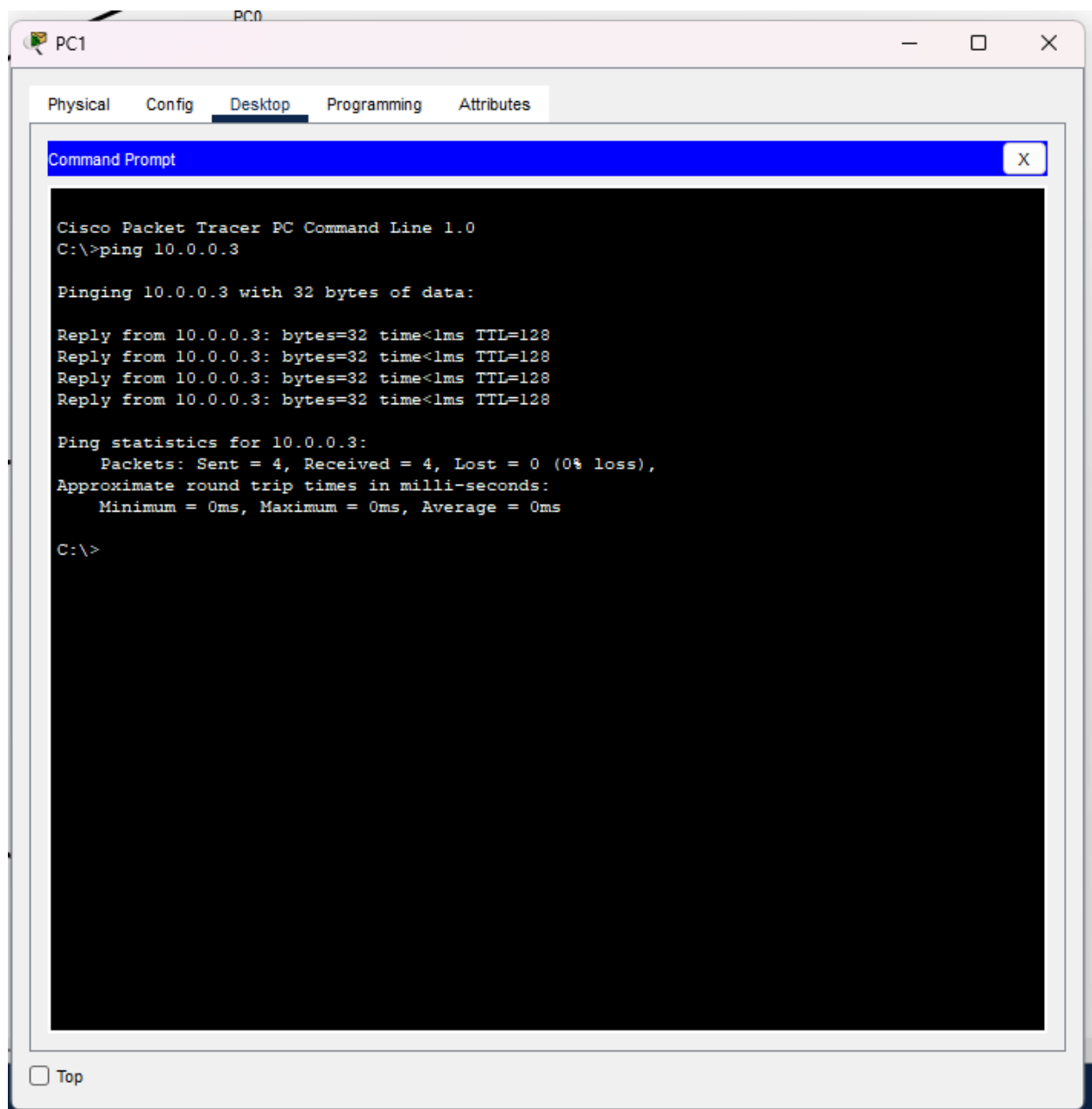
Authentication

MD5

Username

Password

Top



Pc2

PC2

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.0.0.3

Subnet Mask 255.0.0.0

Default Gateway 10.0.0.50

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::250:FFF:FE71:ADCE

Default Gateway

DNS Server

802.1X

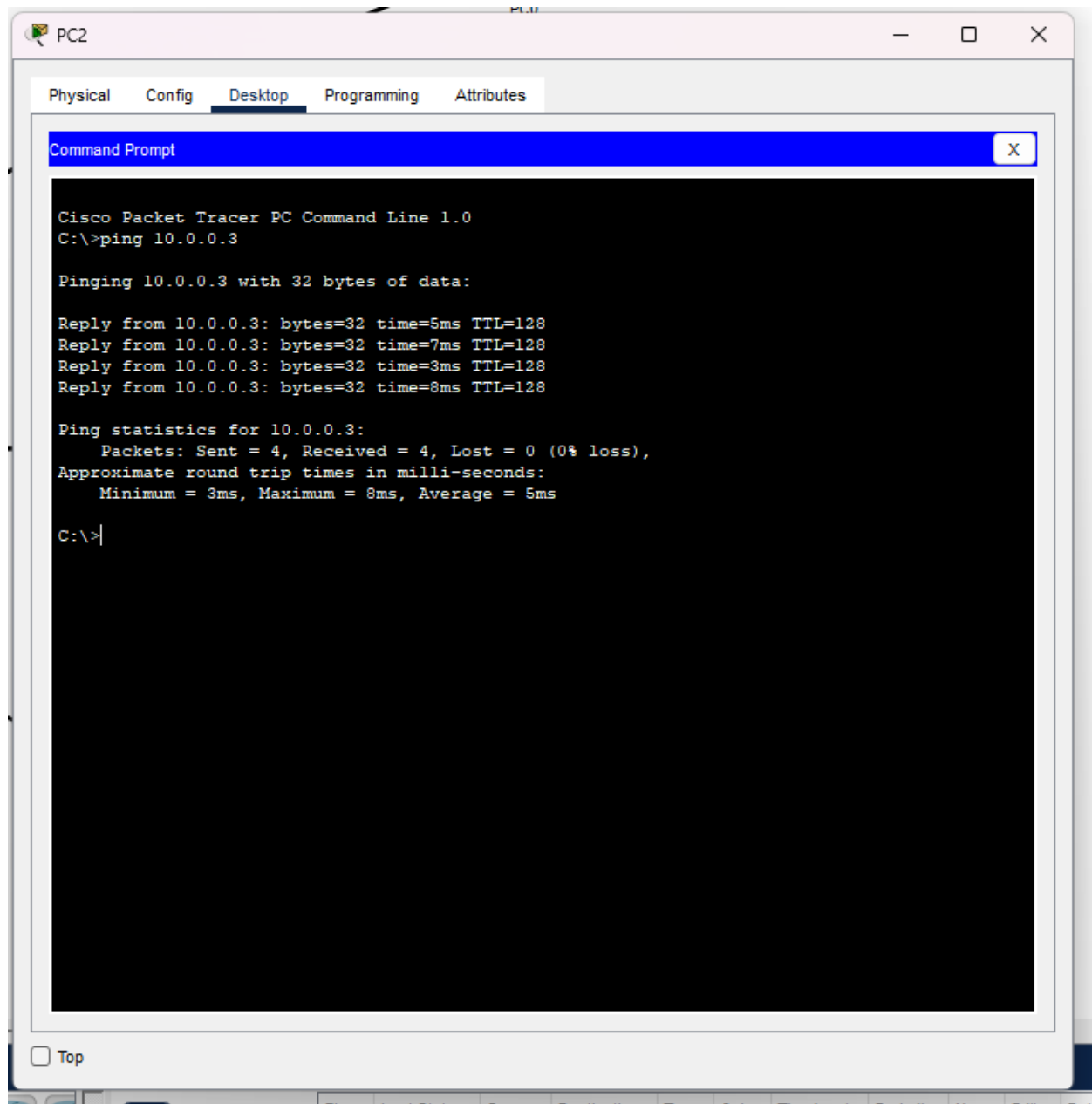
☐ Use 802.1X Security

Authentication MD5

Username

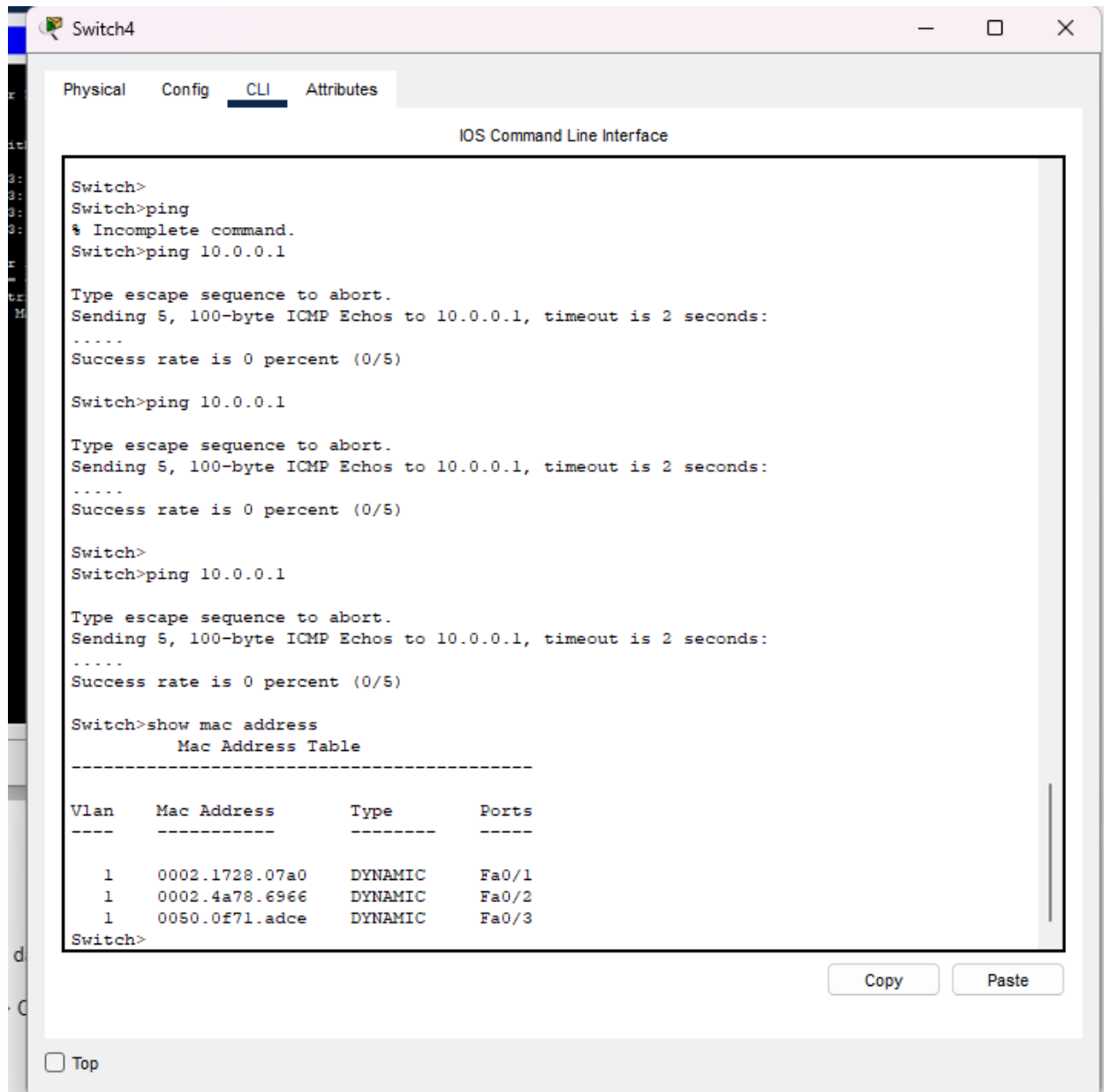
Password

☐ Top



Now to show value or data or information in the table

Simply go to switch -> CLI and write 'show mac address'



Now the tables are non empty

```
Switch>show mac address
```

```
Mac Address Table
```

Vlan	Mac Address	Type	Ports
1	0002.1728.07a0	DYNAMIC	Fa0/1
1	0002.4a78.6966	DYNAMIC	Fa0/2
1	0050.0f71.adce	DYNAMIC	Fa0/3

```
Switch>show mac-address-table
```

```
Mac Address Table
```

Vlan	Mac Address	Type	Ports
1	0002.1728.07a0	DYNAMIC	Fa0/1
1	0002.4a78.6966	DYNAMIC	Fa0/2
1	0050.0f71.adce	DYNAMIC	Fa0/3

```
Switch>
```

Copy

Paste

Using 'show mac address' and 'show mac-address-table'.