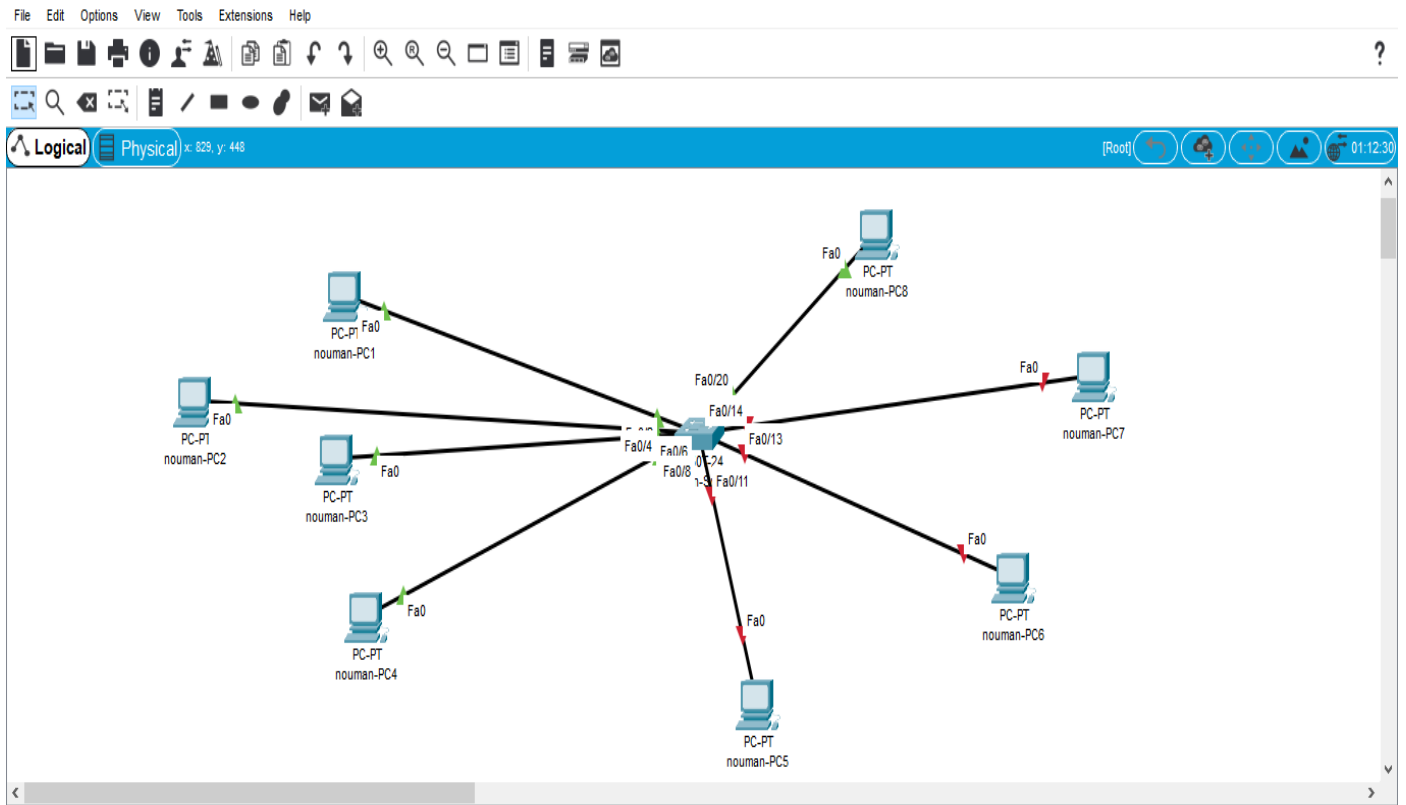
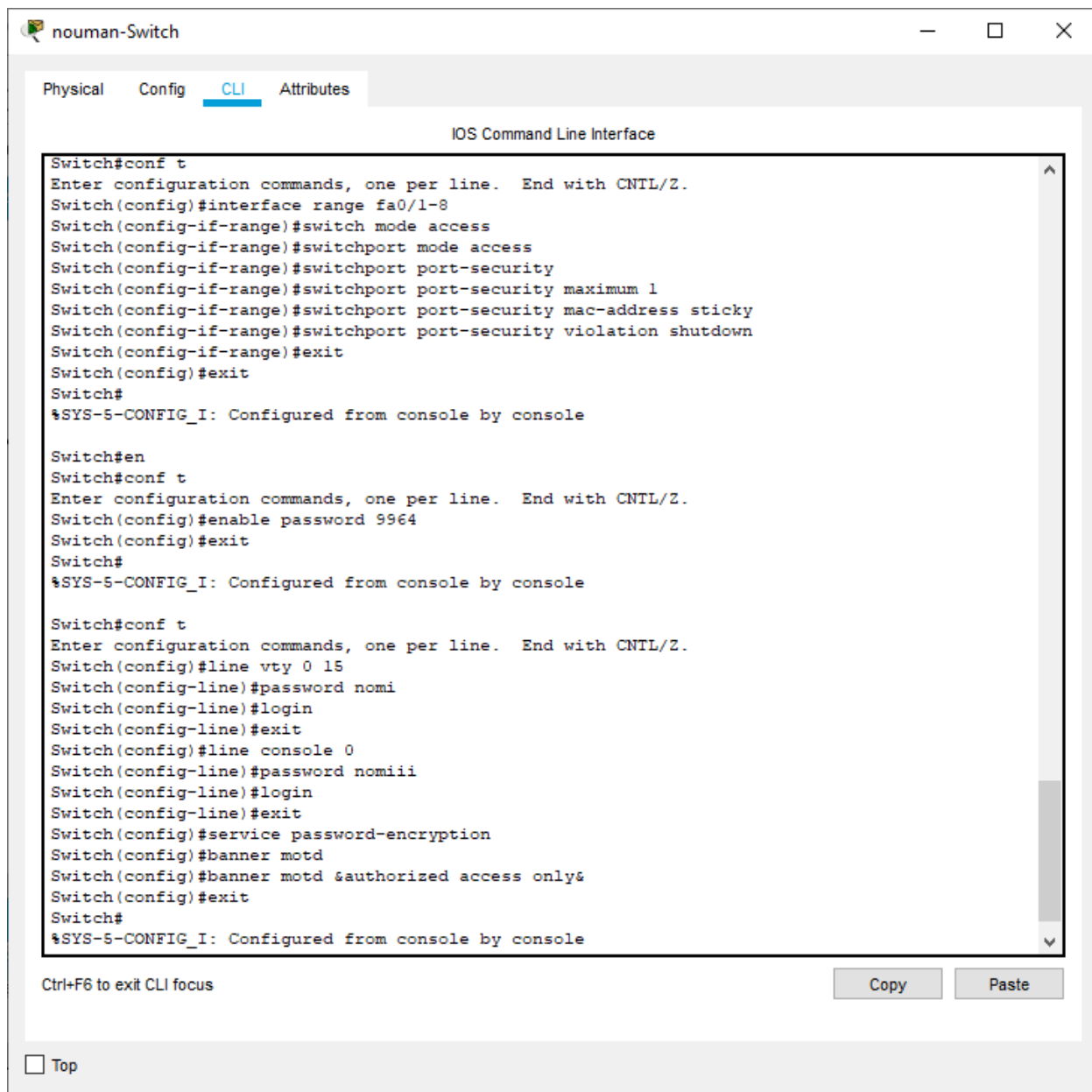


LAB # 08

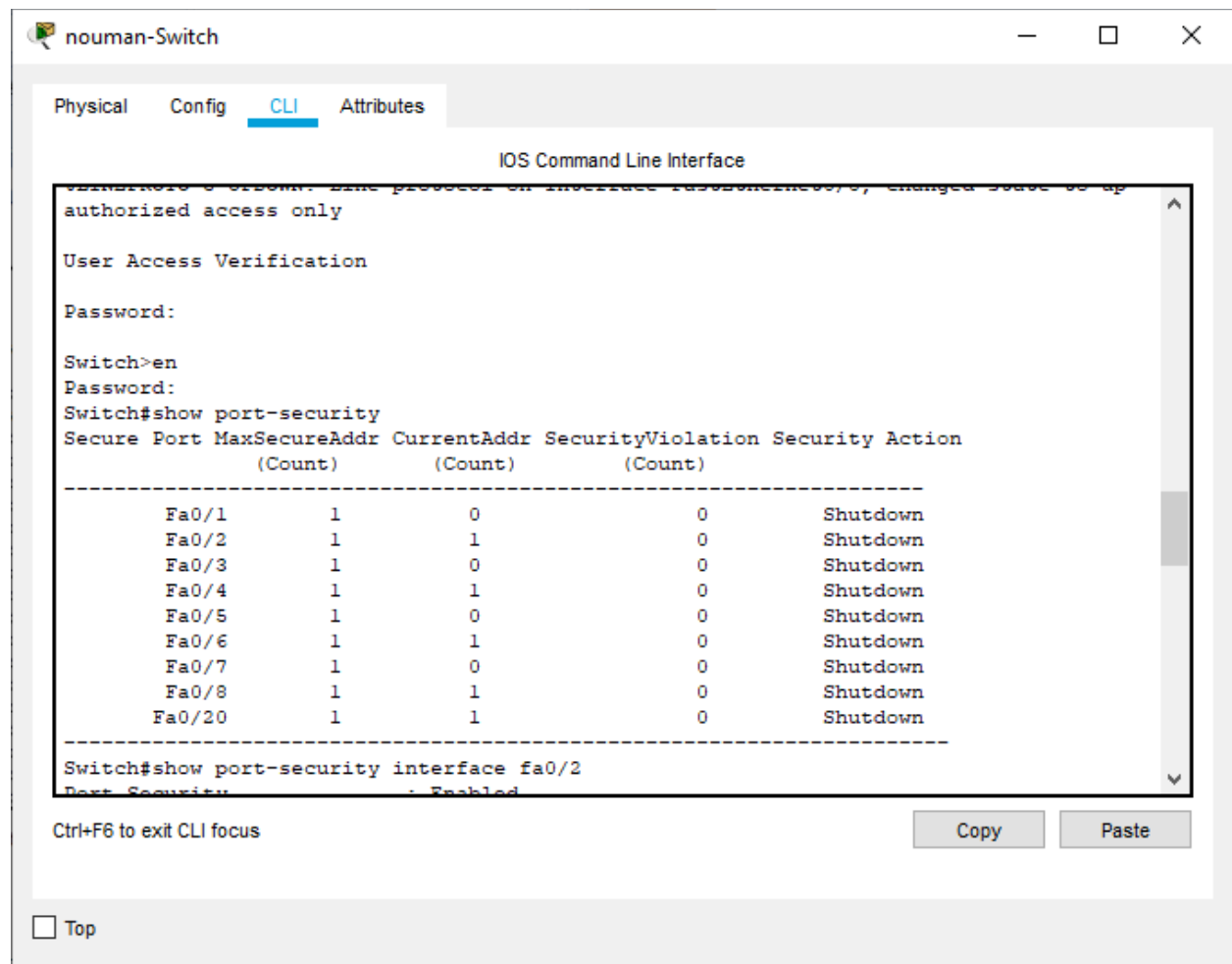
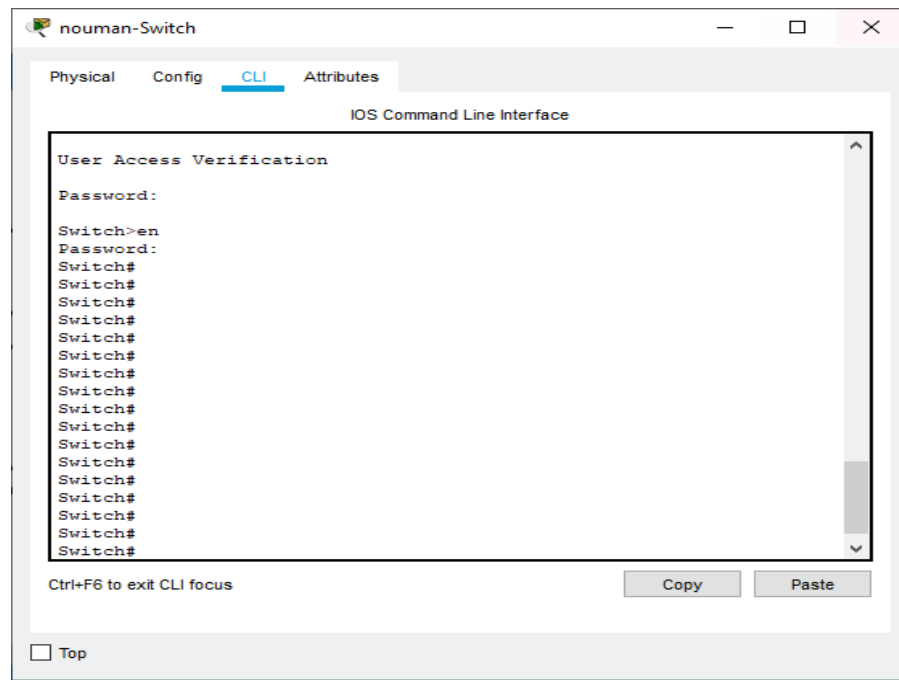
Name : Nouman Ali

SID : 9964

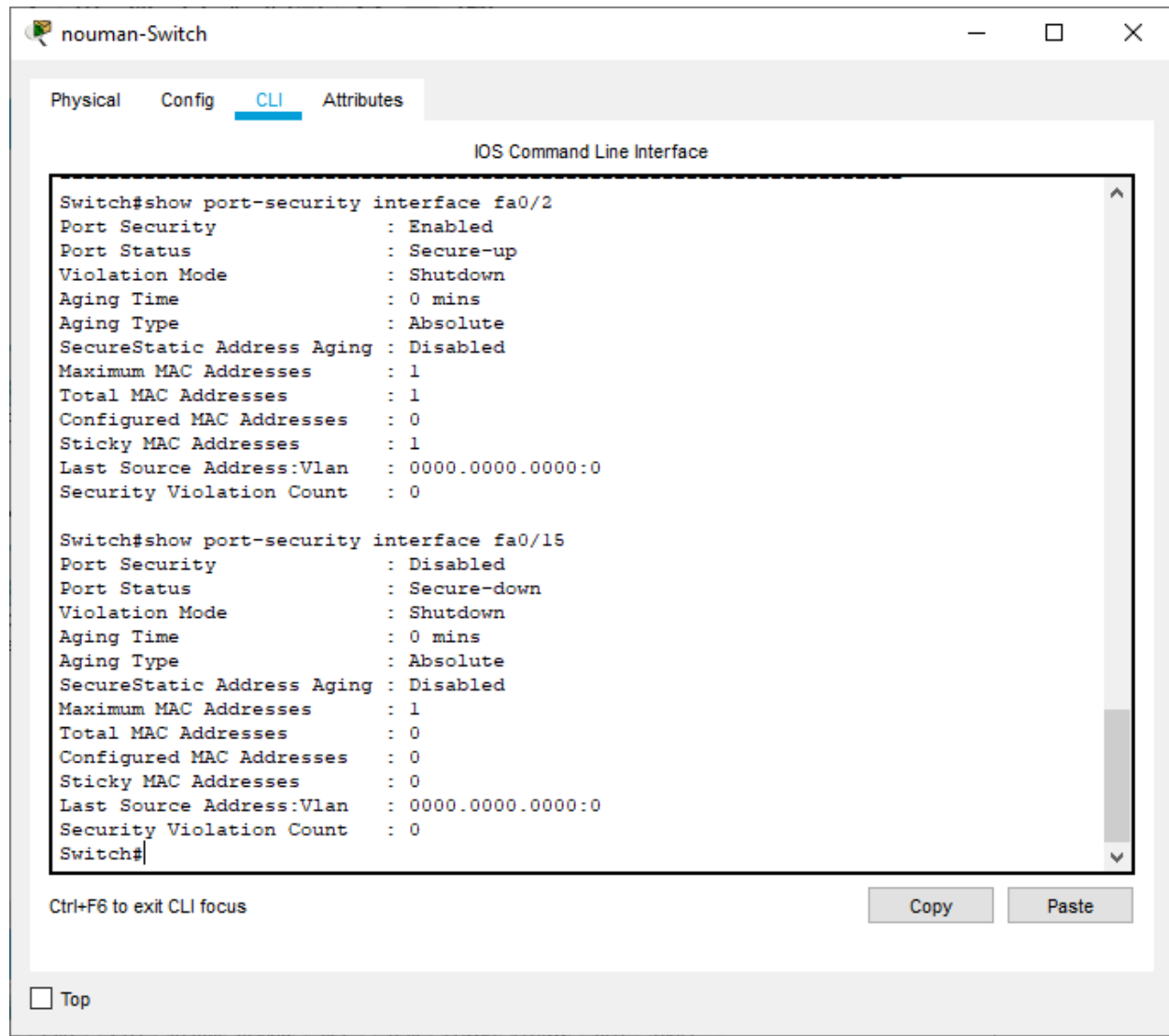




Authorized Code



Port security on fa0/2 and fa0/15:-



The screenshot shows a web-based interface for a network switch named 'nouman-Switch'. The 'CLI' tab is selected, displaying the 'IOS Command Line Interface'. The interface shows the output of two 'show port-security' commands. The first command is for interface 'fa0/2', showing that port security is enabled with a secure-up status, shutdown violation mode, 0 minute aging time, absolute aging type, disabled secure static address aging, 1 maximum MAC address, 1 total MAC address, 0 configured MAC addresses, 1 sticky MAC address, last source address 0000.0000.0000:0, and 0 security violation counts. The second command is for interface 'fa0/15', showing that port security is disabled with a secure-down status, shutdown violation mode, 0 minute aging time, absolute aging type, disabled secure static address aging, 1 maximum MAC address, 0 total MAC addresses, 0 configured MAC addresses, 0 sticky MAC addresses, last source address 0000.0000.0000:0, and 0 security violation counts. The CLI prompt is 'Switch#'. At the bottom of the CLI window, there is a 'Ctrl+F6 to exit CLI focus' message and 'Copy' and 'Paste' buttons. A 'Top' button is also visible at the bottom left of the interface.

```
Switch#show port-security interface fa0/2
Port Security          : Enabled
Port Status            : Secure-up
Violation Mode         : Shutdown
Aging Time             : 0 mins
Aging Type             : Absolute
SecureStatic Address Aging : Disabled
Maximum MAC Addresses  : 1
Total MAC Addresses    : 1
Configured MAC Addresses : 0
Sticky MAC Addresses   : 1
Last Source Address:Vlan : 0000.0000.0000:0
Security Violation Count : 0

Switch#show port-security interface fa0/15
Port Security          : Disabled
Port Status            : Secure-down
Violation Mode         : Shutdown
Aging Time             : 0 mins
Aging Type             : Absolute
SecureStatic Address Aging : Disabled
Maximum MAC Addresses  : 1
Total MAC Addresses    : 0
Configured MAC Addresses : 0
Sticky MAC Addresses   : 0
Last Source Address:Vlan : 0000.0000.0000:0
Security Violation Count : 0
Switch#
```

Ctrl+F6 to exit CLI focus

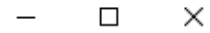
Copy Paste

☐ Top

Mac Address:-



nouman-Switch

Physical Config **CLI** Attributes

IOS Command Line Interface

Mac Address Table

Vlan	Mac Address	Type	Ports
1	0001.9681.1a7c	STATIC	Fa0/4
1	0001.c901.86bb	STATIC	Fa0/6
1	0004.9ae4.a6b9	STATIC	Fa0/2
1	0006.2a9d.40bd	STATIC	Fa0/20
1	00d0.97c2.d66b	STATIC	Fa0/8

Switch#show mac address

Mac Address Table

Vlan	Mac Address	Type	Ports
1	0001.9681.1a7c	STATIC	Fa0/4
1	0001.c901.86bb	STATIC	Fa0/6
1	0004.9ae4.a6b9	STATIC	Fa0/2
1	0006.2a9d.40bd	STATIC	Fa0/20
1	00d0.97c2.d66b	STATIC	Fa0/8

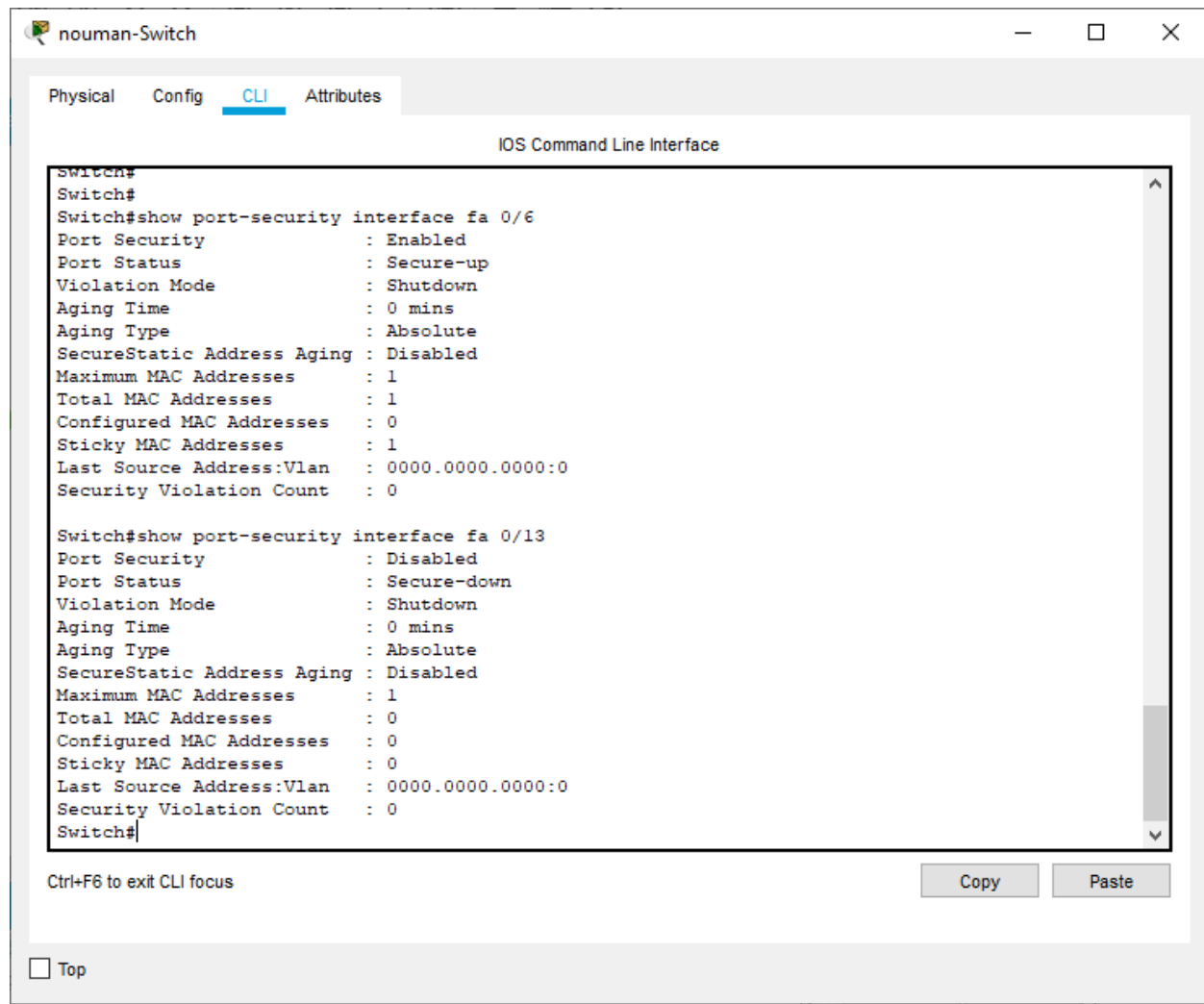
Switch#

Ctrl+F6 to exit CLI focus

Copy

Paste

☐ Top



Port-security :-

Port security tell us which ports are secured and which ip configure on it. Port Security helps secure the network by preventing unknown devices from forwarding packets

Port-security on specific interface:-

Port-security on specific interface tells about specific Ethernet cable.