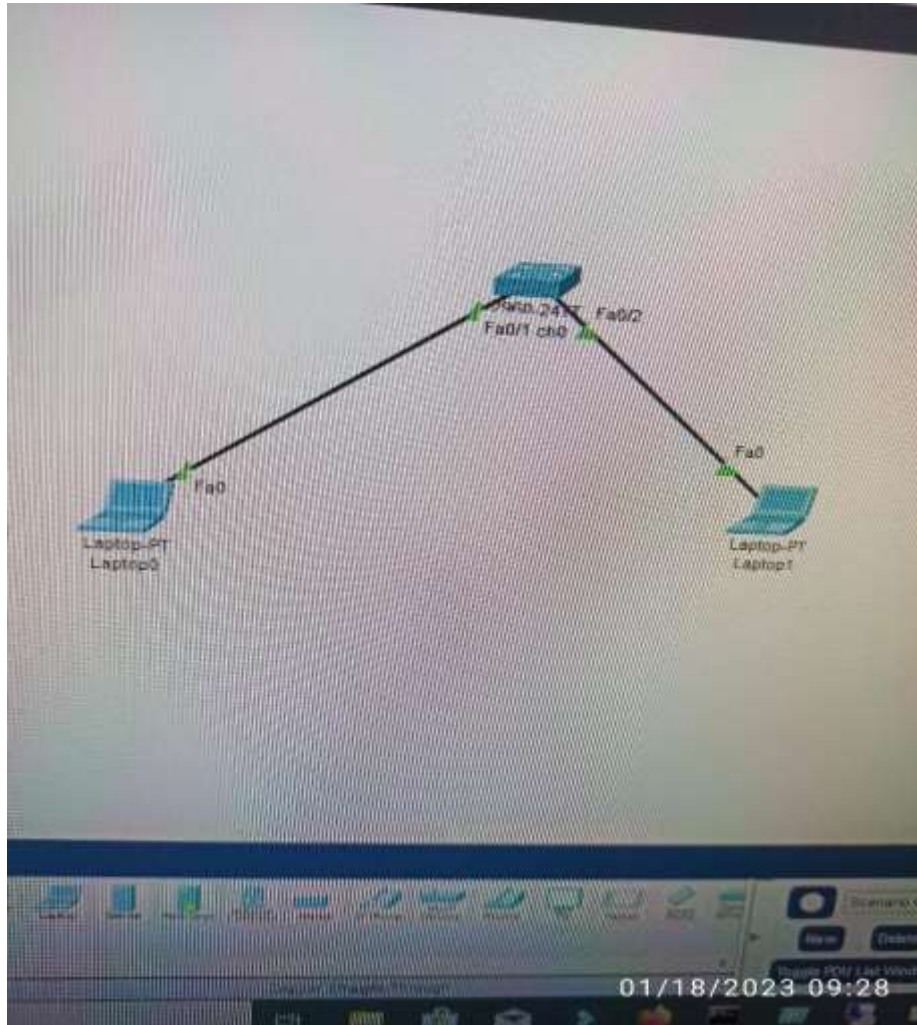


به نام خدا

اسماعیل زارع

تمرین port security



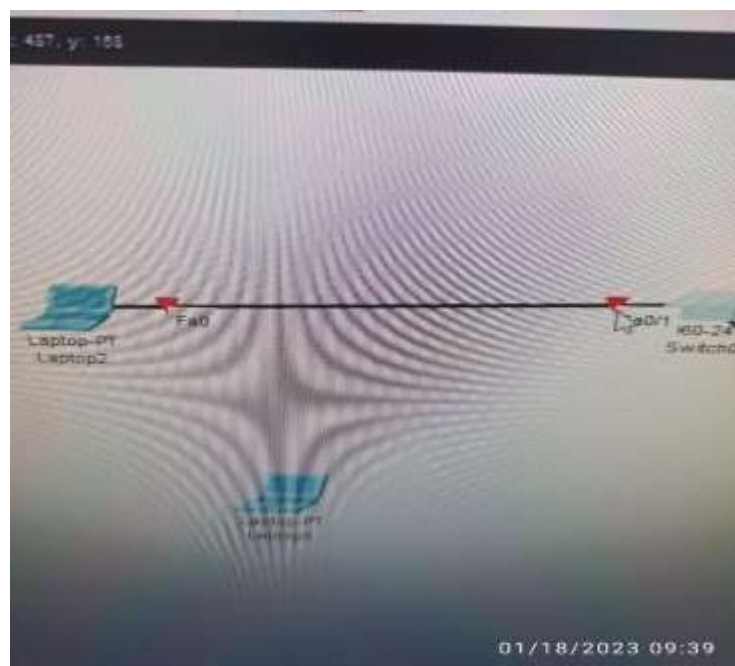

```
Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, c

Switch>enable
Switch#conf
Configuring from terminal, memory, or network [terminal]? conf term
?Must be "terminal", "memory" or "network"
Switch#configure terminal
% Invalid input detected at '^' marker.

Switch#conf terminal
Enter configuration commands, one per line. End with CNTL/Z
Switch(config)#interface range fastEthernet 0/1
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport port-security
Switch(config-if-range)#switchport port-security
Switch(config-if-range)#switchport port-security maximum 1
Switch(config-if-range)#switchport port-security mac-address sticky
Switch(config-if-range)#switchport port-security violation shutdown
Switch(config-if-range)#

Ctrl+F6 to exit CLI focus
```



IOS Command Line Interface

```
Switch#show port-security address
Secure Mac Address Table
```

Vlan	Mac Address	Type	Ports	Remaining Age (mins)
1	00E0.F770.2E3E	SecureSticky	Fa0/1	-

```
Total Addresses in System (excluding one mac per port) : 0
Max Addresses limit in System (excluding one mac per port) : 1024
Switch#show interface status
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		err-disabled	1	auto	auto	10/100BaseTX
Fa0/2		connected	1	auto	auto	10/100BaseTX
Fa0/3		notconnect	1	auto	auto	10/100BaseTX
Fa0/4		notconnect	1	auto	auto	10/100BaseTX
Fa0/5		notconnect	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX
Fa0/8		notconnect	1	auto	auto	10/100BaseTX
Fa0/9		notconnect	1	auto	auto	10/100BaseTX
Fa0/10		notconnect	1	auto	auto	10/100BaseTX
Fa0/11		notconnect	1	auto	auto	10/100BaseTX
Fa0/12		notconnect	1	auto	auto	10/100BaseTX
Fa0/13		notconnect	1	auto	auto	10/100BaseTX
Fa0/14		notconnect	1	auto	auto	10/100BaseTX
Fa0/15		notconnect	1	auto	auto	10/100BaseTX
Fa0/16		notconnect	1	auto	auto	10/100BaseTX
Fa0/17		notconnect	1	auto	auto	10/100BaseTX
Fa0/18		notconnect	1	auto	auto	10/100BaseTX
Fa0/19		notconnect	1	auto	auto	10/100BaseTX
Fa0/20		notconnect	1	auto	auto	10/100BaseTX
Fa0/21		notconnect	1	auto	auto	10/100BaseTX
--More--						

Ctrl+F6 to exit CLI focus

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```
Switch(config)#show port
```

```
% Invalid input detected at '^' marker.
```

```
Switch(config)#
```

```
Switch#
```

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

```
Switch#show interface status
```

```
% Invalid input detected at '^' marker.
```

```
Switch#show port-security address
```

Secure Mac Address Table

Vlan	Mac Address	Type	Ports	Remaining Age (mins)
1	00E0.F776.2E3E	SecureSticky	Fa0/1	-

```
Total Addresses in System (excluding one mac per port) : 0
```

```
Max Addresses limit in System (excluding one mac per port) : 1024
```

```
Switch#
```

Ctrl+F6 to exit CLI focus

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Scenario 0

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