

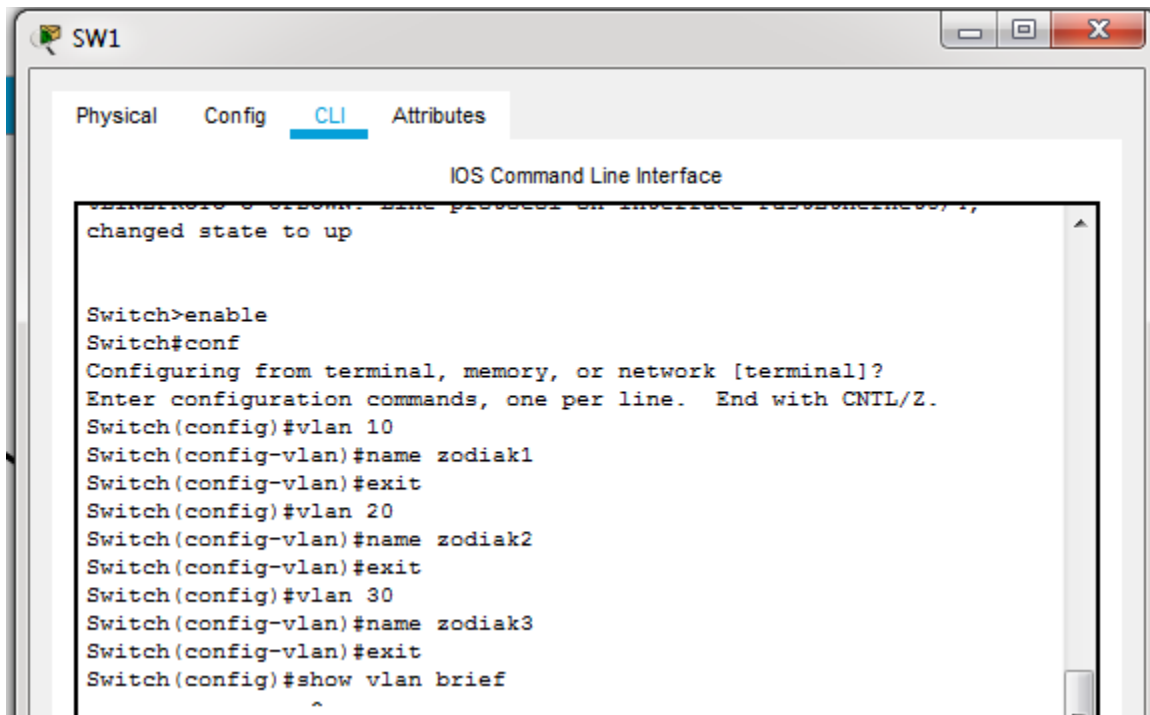
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Kelas : D

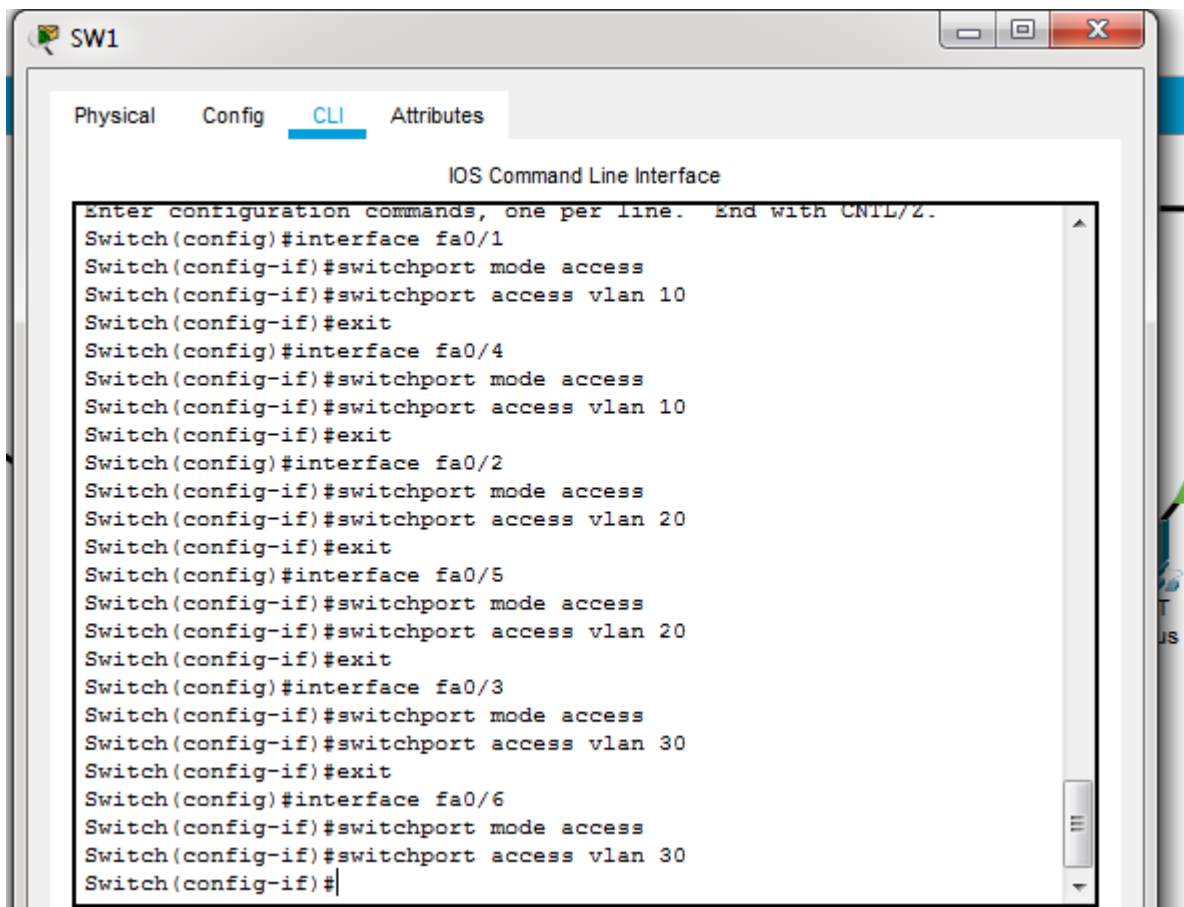
Kegiatan 1 Topologi 1

- Tugas 6A



The screenshot shows a window titled 'SW1' with tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'CLI' tab is active, displaying the 'IOS Command Line Interface'. The interface shows a sequence of commands entered to configure VLANs on a switch. The commands are: 'enable' to enter privileged mode, 'conf' to enter configuration mode, 'vlan 10' to create VLAN 10, 'name zodiak1' to name it, 'exit' to return to config mode, 'vlan 20' to create VLAN 20, 'name zodiak2' to name it, 'exit' to return to config mode, 'vlan 30' to create VLAN 30, 'name zodiak3' to name it, 'exit' to return to config mode, and 'show vlan brief' to display the current VLAN configuration. The output of the 'show vlan brief' command is partially visible at the top of the window.

```
Switch>enable
Switch#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#show vlan brief
```



SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

Switch#show vlan

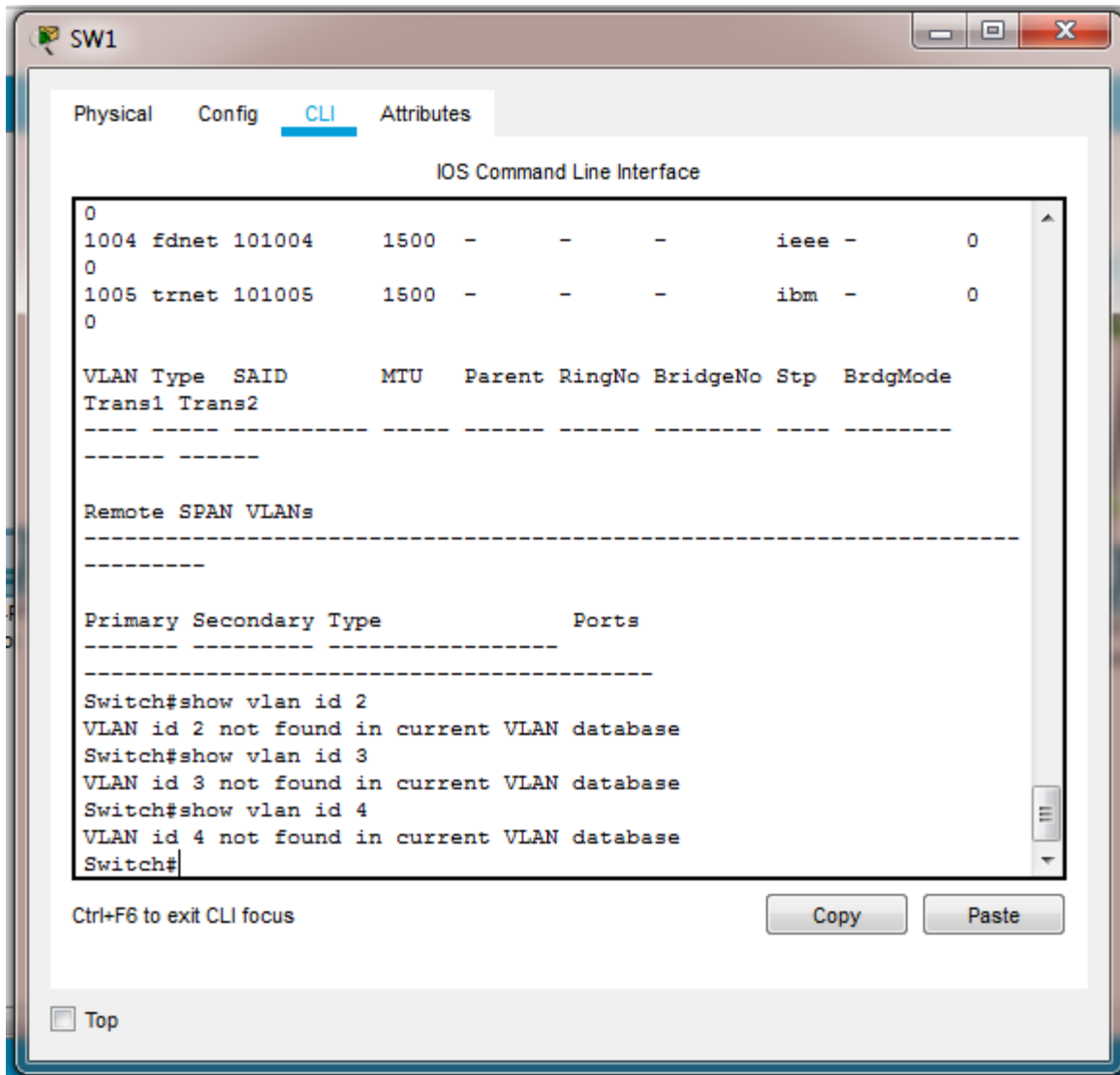
VLAN Name	Status	Ports
1 default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/14, Fa0/15, Fa0/16, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24
10 zodiak1	active	Fa0/1, Fa0/4
20 zodiak2	active	Fa0/2, Fa0/5
30 zodiak3	active	Fa0/3, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

VLAN Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode
Trans1	Trans2						

Ctrl+F6 to exit CLI focus

CopyPaste

☐ Top



No	Variable	Nilai
1	Nomor VLAN	10
2	Nama VLAN	Zodiak1
3	Port	Fa 0/1 Fa 0/4
4	Status	Active

No	Variable	Nilai
1	Nomor VLAN	20
2	Nama VLAN	Zodiak2
3	Port	Fa 0/2 Fa 0/5
4	Status	Active

No	Variable	Nilai
1	Nomor VLAN	30
2	Nama VLAN	Zodiak3
3	Port	Fa 0/3 Fa 0/6
4	Status	Active

- Tugas 6B

Untuk vlan yang ber-id kan 10, 20, dan 30 memiliki nama VLAN, port yang terhubung dan juga status dari VLAN aktif. VLAN dengan nama zodiak1 = vlan 10, zodiak2 = vlan 20, dan zodiak3 = vlan 30. Yang masing-masing dipasangkan tiap 2 pc.

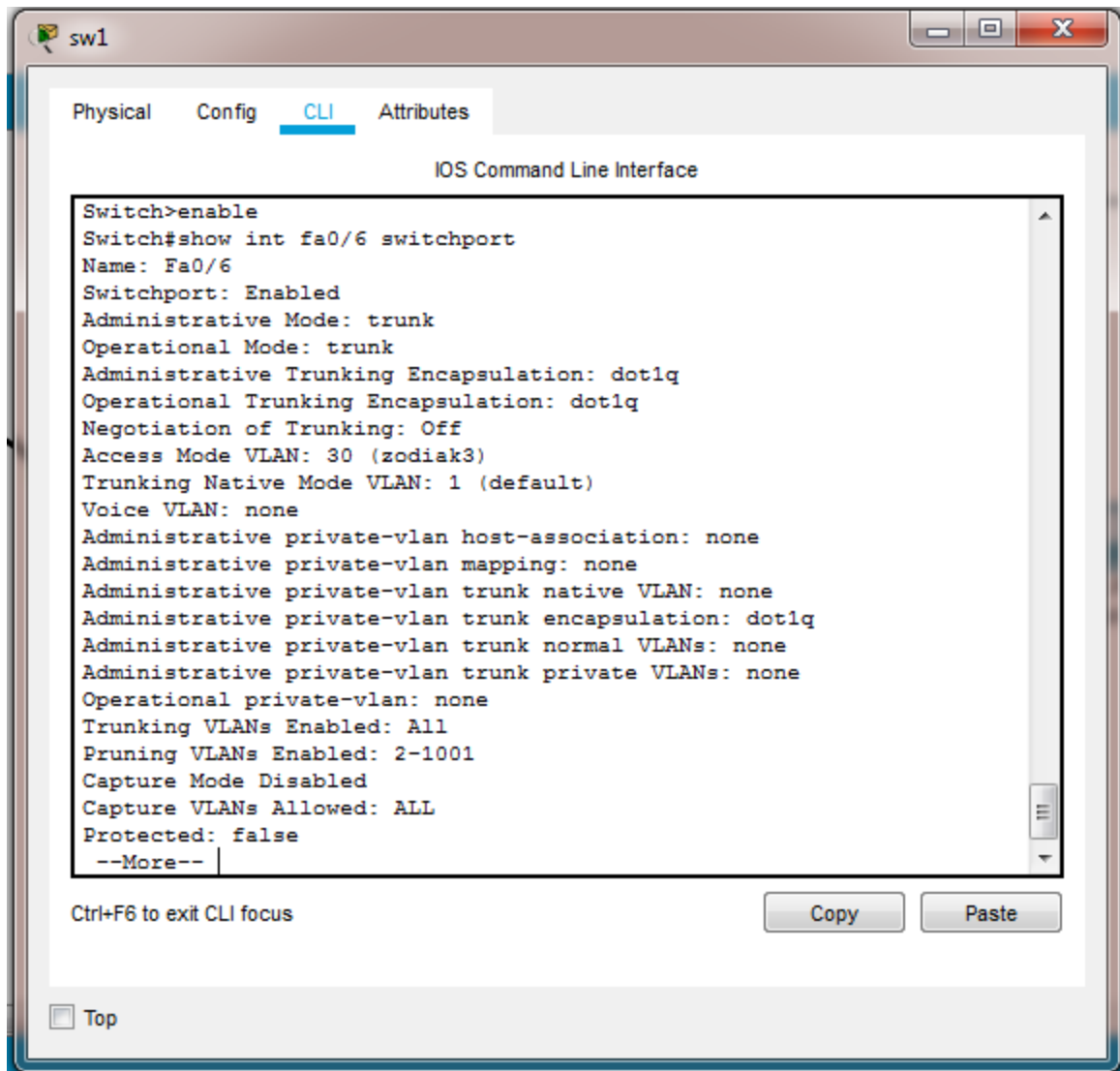
Kegiatan 2 Topologi 2

SW 2

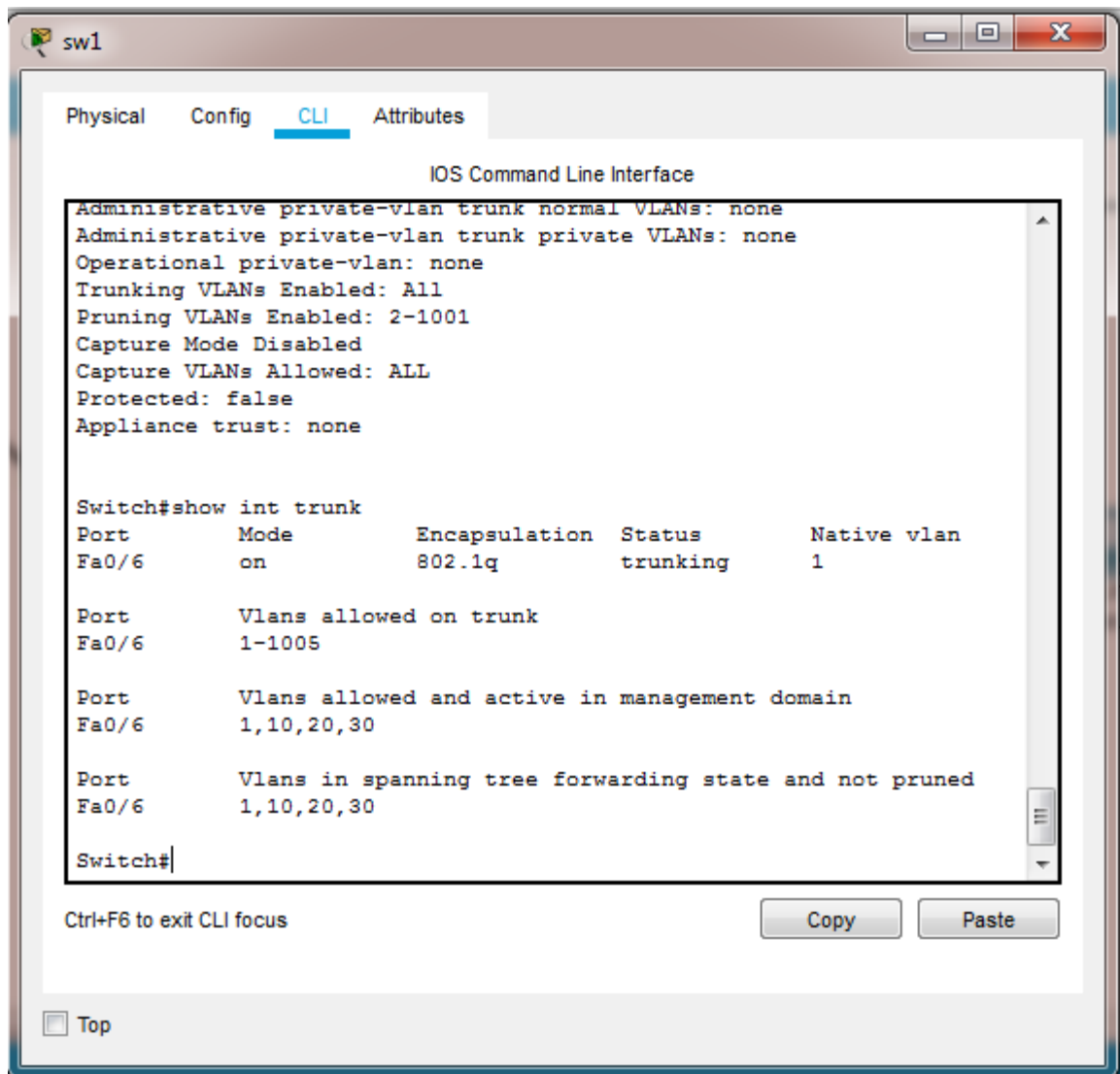
```
Switch>enable
Switch#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#interface fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#interface fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#interface fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#interface fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#interface fa0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#interface fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#
```

- Tugas 7A

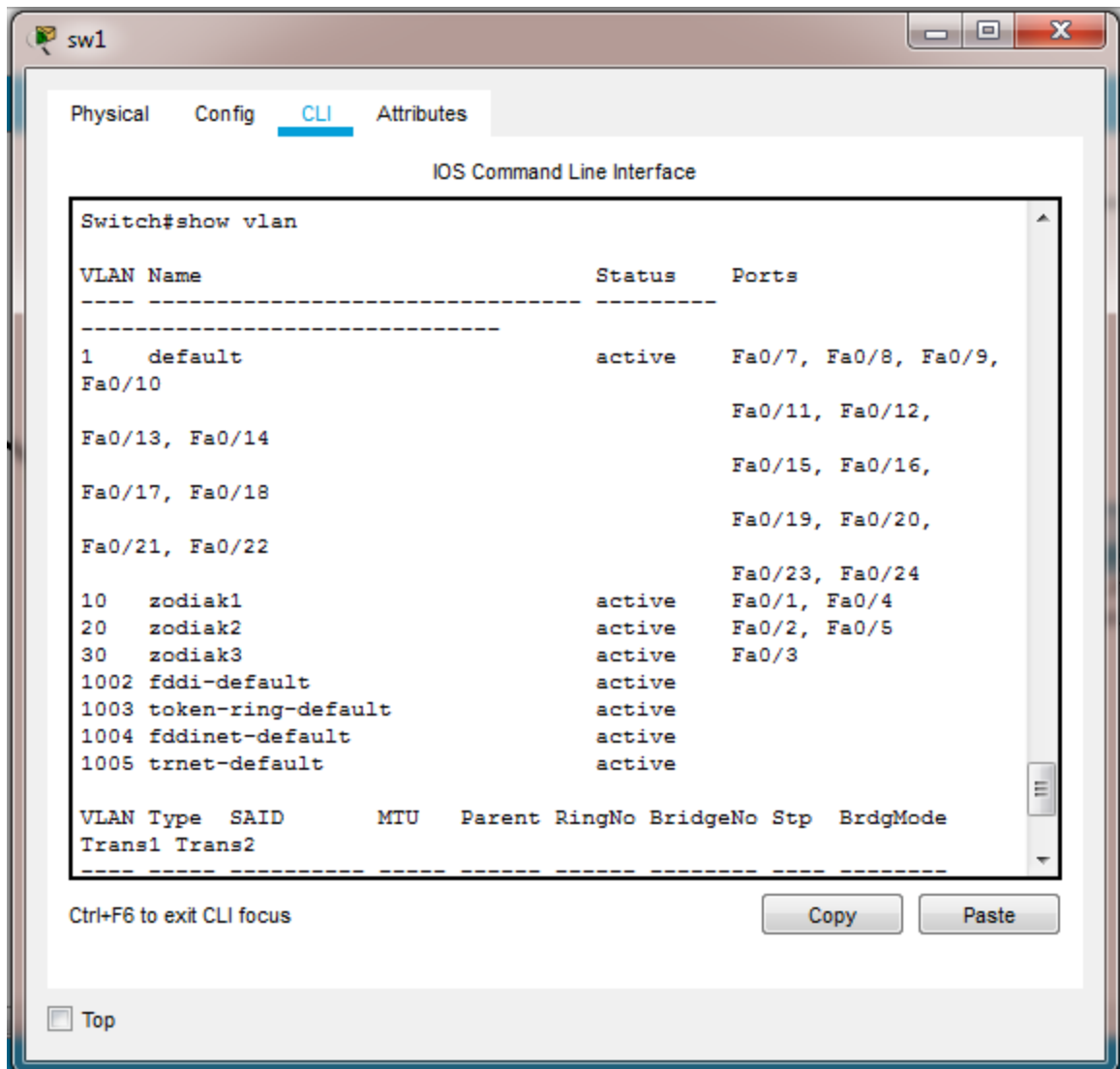
Ketika mengetikan “show interface Fastethernet0/1 switchport”, akan muncul informasi adalah



Sedangkan ketika mengetik “show int trunk”, yang muncul adalah



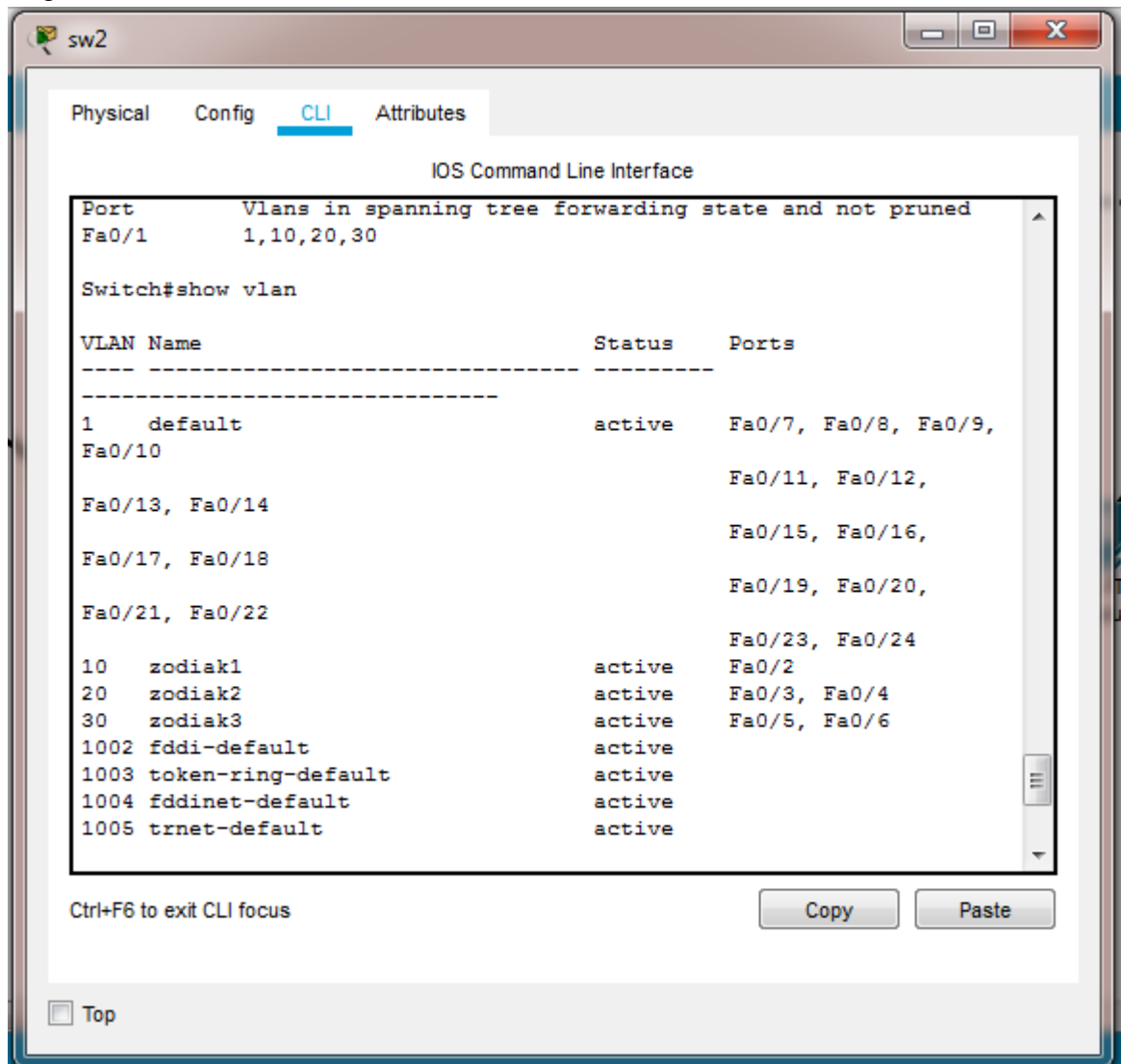
Ketika mengetikan “show vlan”, yang muncul adalah



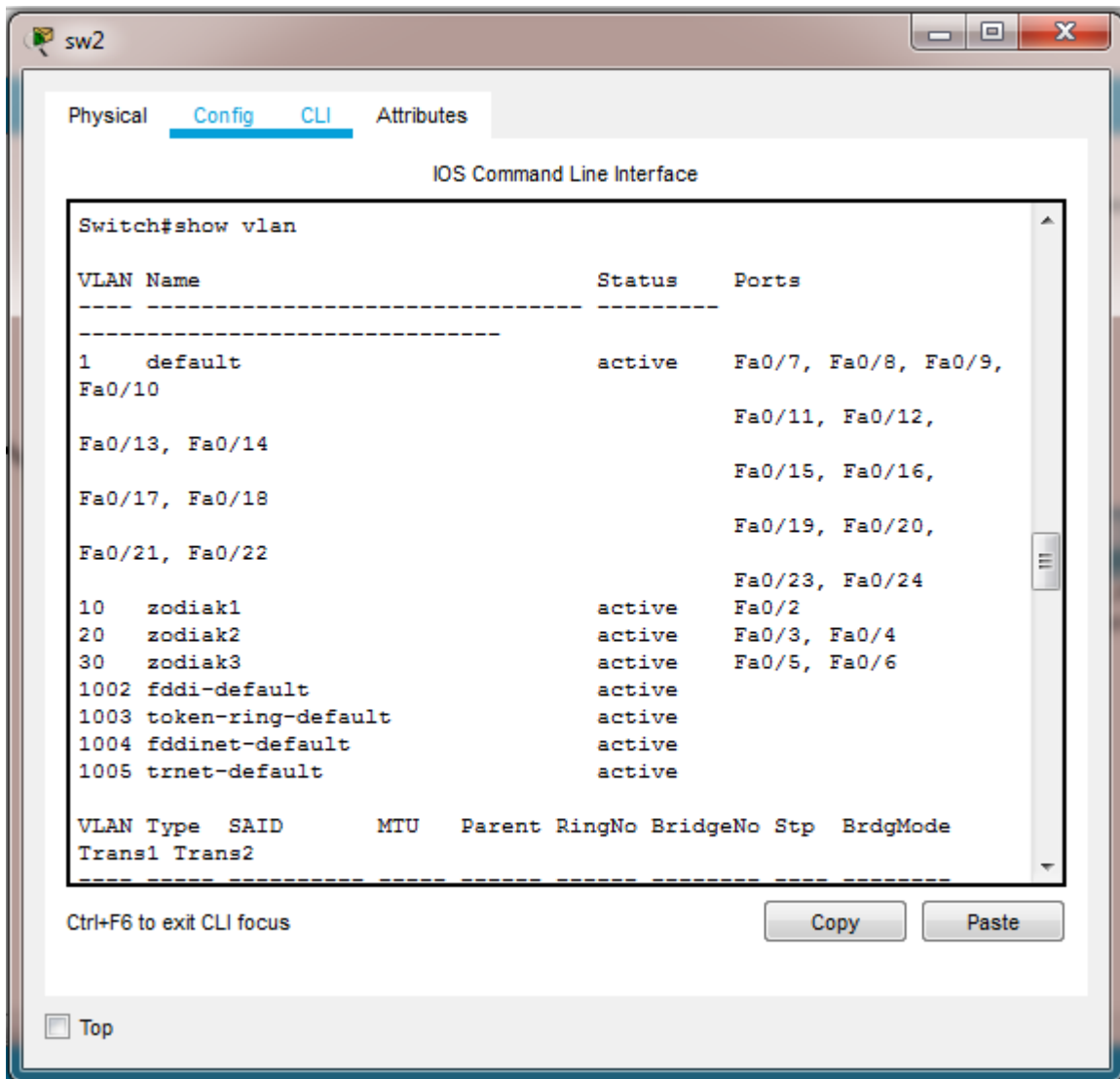
- Tugas 8A

Mengapa PC pisces yang berada di switch 2 bisa menerima status “request time out” dari PC leo yang berada di switch 1. Karena PC pisces tidak memiliki network address yang sama dengan network PC leo. Walaupun sudah di Trunking sekalipun dan satu VLAN id.

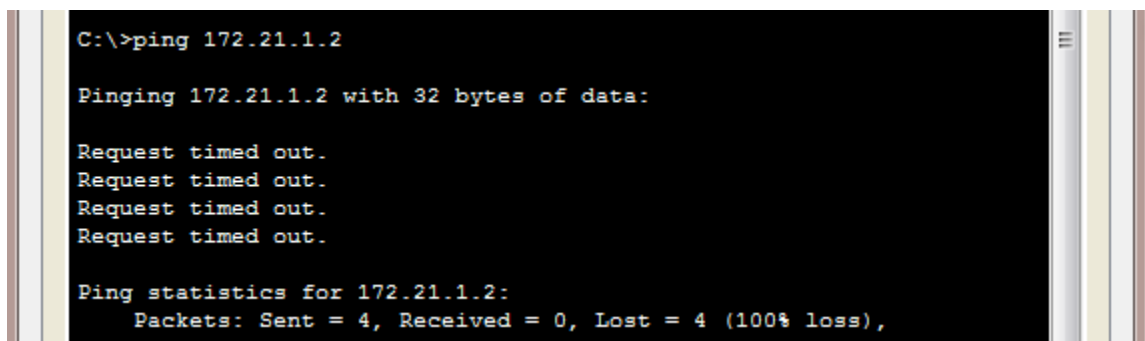
- Tugas 10A



Ketika mengetik “show vlan” akan muncul tabel yang berisi id, nama, status, dan port VLAN



- Tugas 12A



```
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1: bytes=32 time=222ms TTL=128
Reply from 172.21.1.1: bytes=32 time=24ms TTL=128
Reply from 172.21.1.1: bytes=32 time=7ms TTL=128
Reply from 172.21.1.1: bytes=32 time=20ms TTL=128

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 222ms, Average = 68ms
```

Ping dari PC leo ke PC aries, PC pisces, PC aquarius dan PC libra ke PC cancer mengalami request time out. Karena walaupun sudah di Trunking, kalau network address beda tidak bisa connect. Sedangkan ping dari, PC libra ke PC leo mendapatkan jawaban reply.