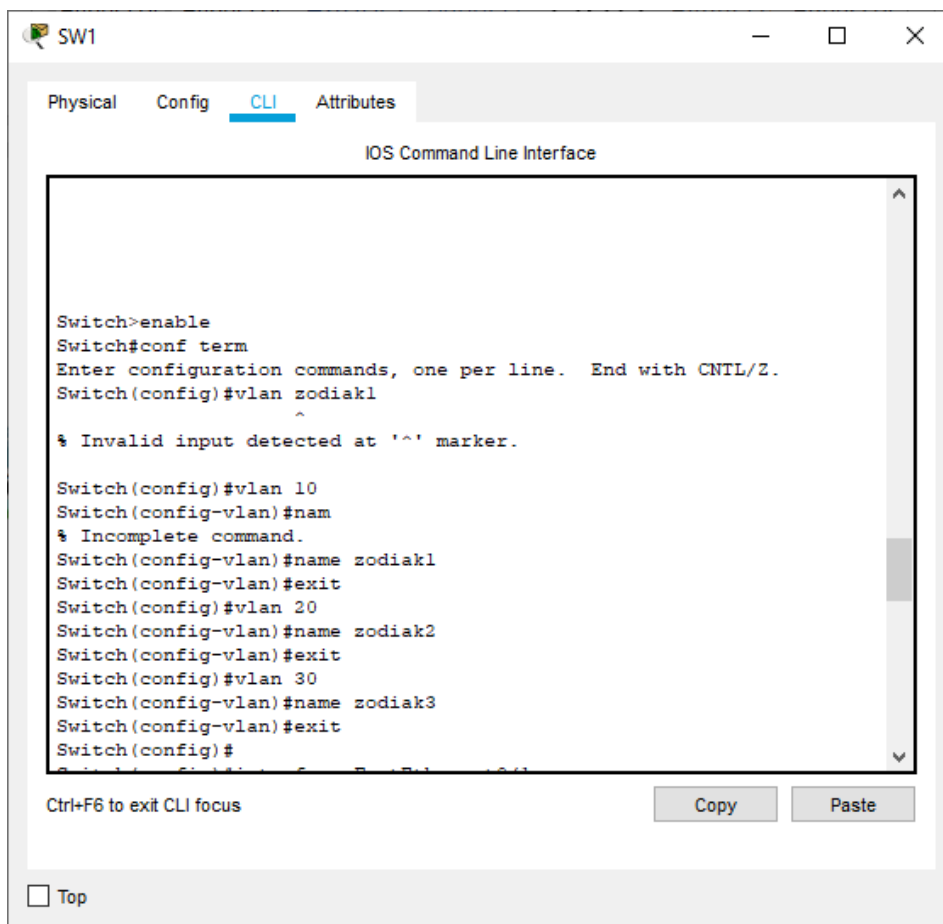
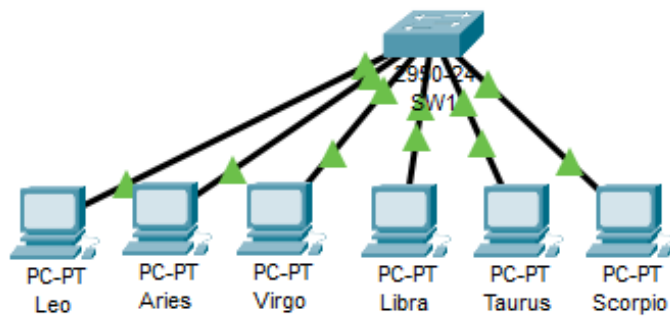
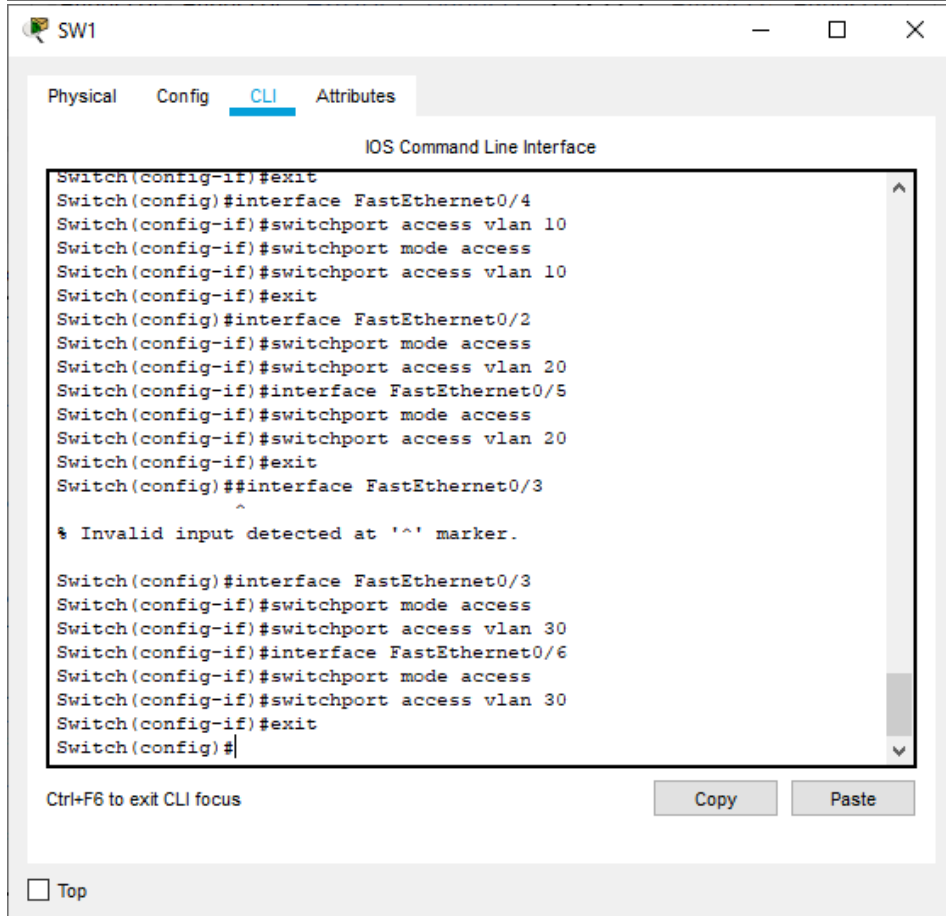
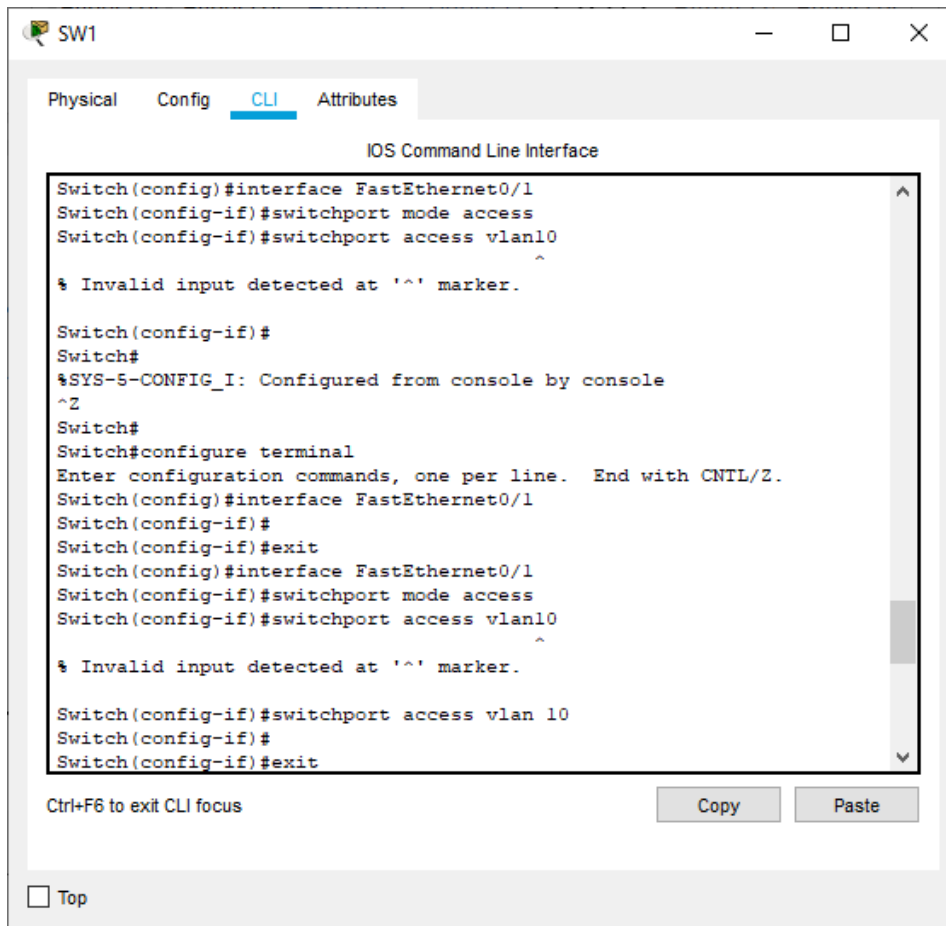


Muh. Amri Huda
L200180131 / D

Jarkom Modul 4

1. Kegiatan 1. Topologi 1





Tugas 6A:

SW1

Physical
Config
CLI
Attributes

IOS Command Line Interface

```
Switch#show vlan brief
```

VLAN	Name	Status	Ports
1	default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/14, 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	

```
Switch#show vlan id 2
VLAN id 2 not found in current VLAN database
Switch#show vlan id 10
```

Ctrl+F6 to exit CLI focus
Copy
Paste

Top

SW1

Physical
Config
CLI
Attributes

IOS Command Line Interface

```
VLAN id 2 not found in current VLAN database
Switch#show vlan id 10
```

VLAN	Name	Status	Ports
10	zodiak1	active	Fa0/1, Fa0/4

```
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Trans1 Trans2
```

10	enet	100010	1500	-	-	-	-	-	0
----	------	--------	------	---	---	---	---	---	---

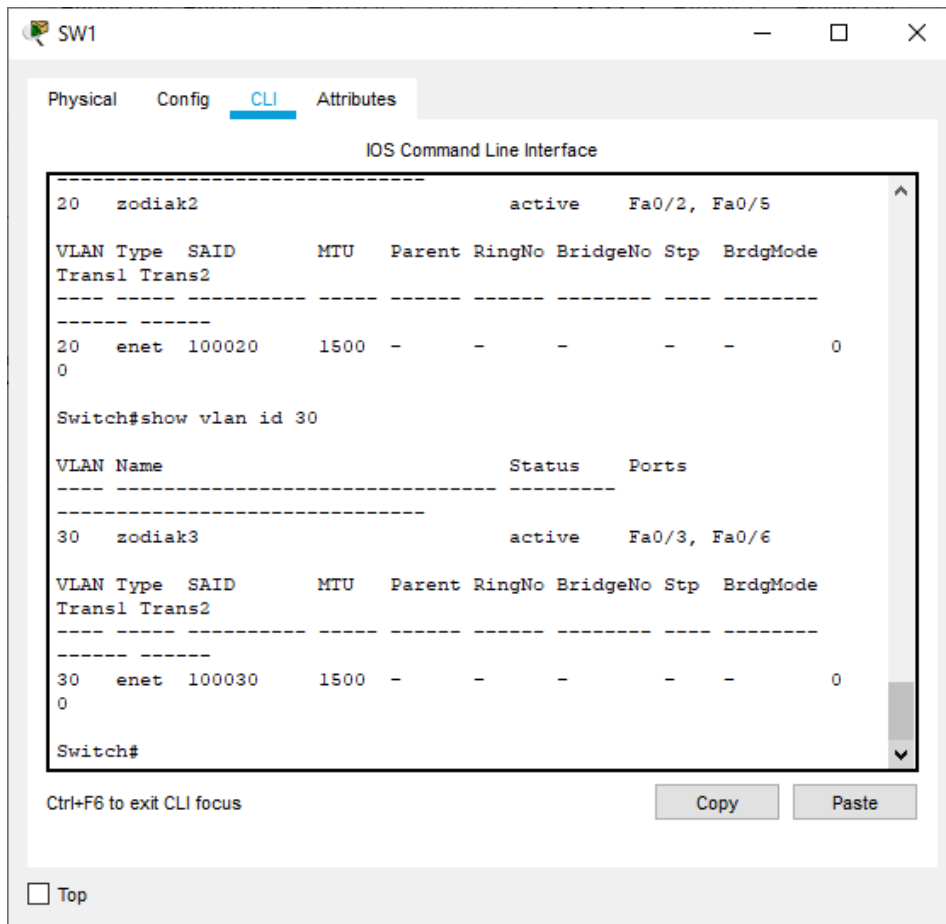
```
Switch#show vlan id 20
```

VLAN	Name	Status	Ports
20	zodiak2	active	Fa0/2, Fa0/5

```
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Trans1 Trans2
```

Ctrl+F6 to exit CLI focus
Copy
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Top

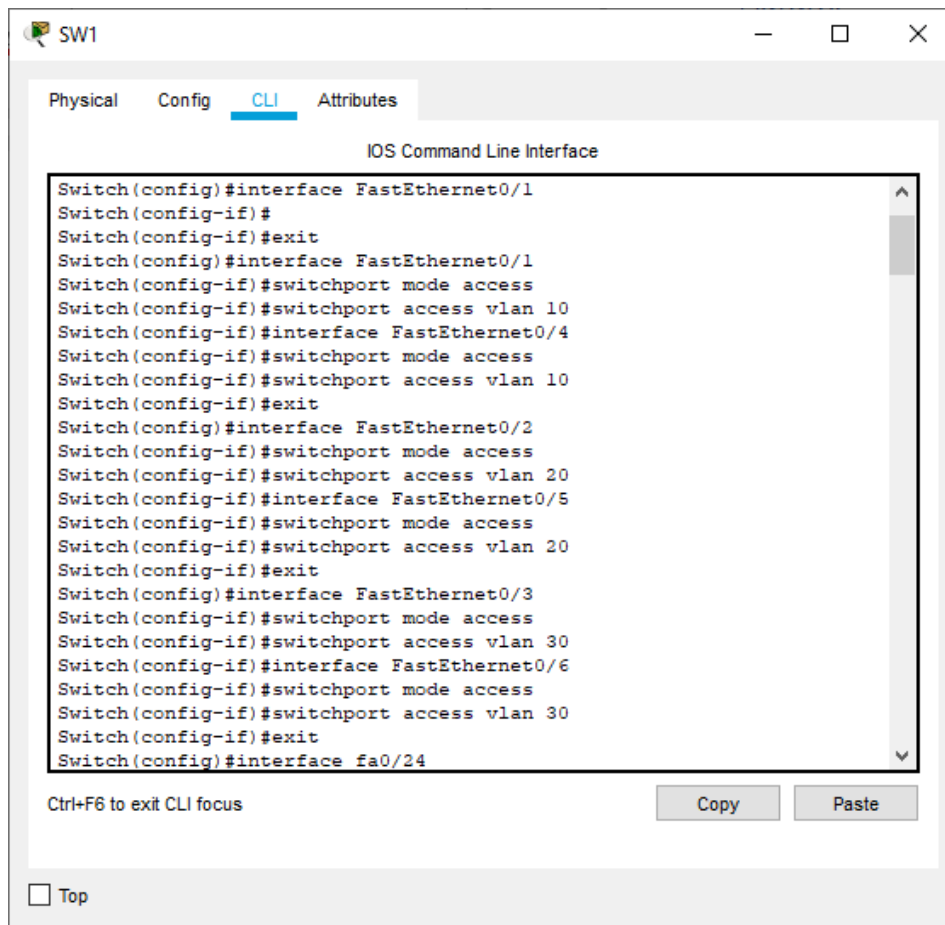
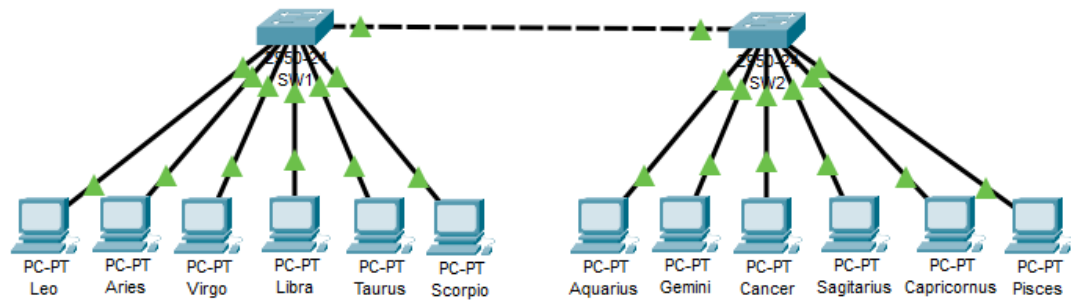


No	Variable	Nilai
1.	Nomor VLAN	10
2.	Nama VLAN	zodiak1
3.	Port	Fa0/1, Fa0/4
4.	Status	active
No	Variable	Nilai
1.	Nomor VLAN	20
2.	Nama VLAN	zodiak2
3.	Port	Fa0/1, Fa0/4
4.	Status	active
No	Variable	Nilai
1.	Nomor VLAN	30
2.	Nama VLAN	zodiak3
3.	Port	Fa0/1, Fa0/4
4.	Status	active

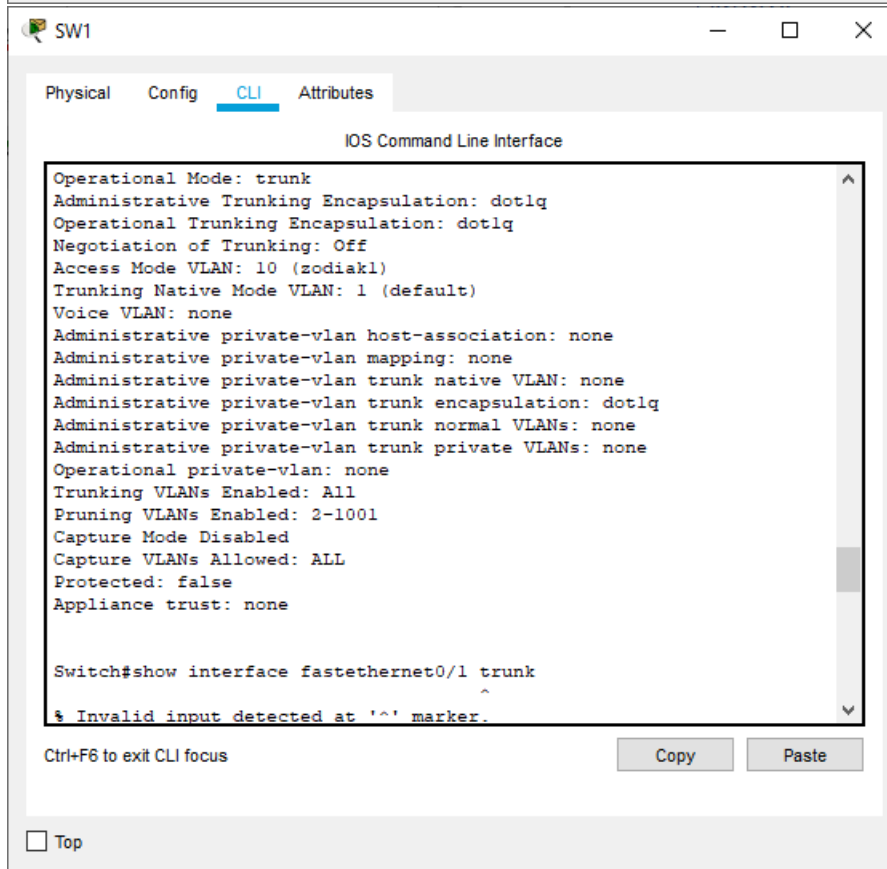
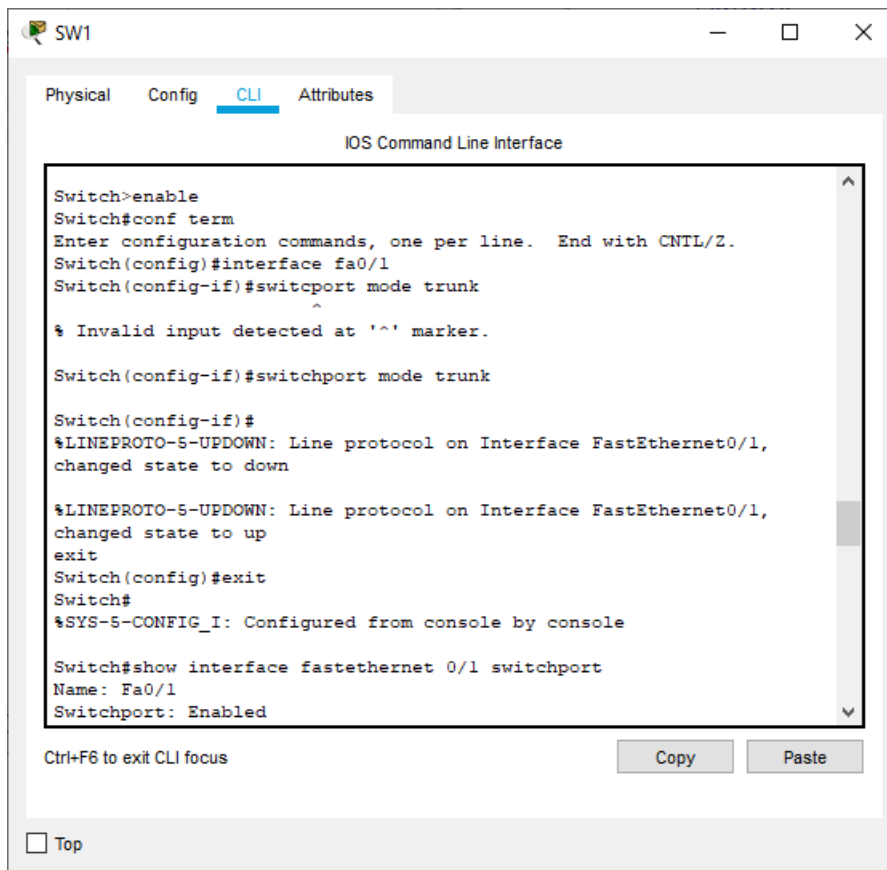
Tugas 6B:

Untuk vlan yang ber-id kan 10, 20, dan 30 memiliki nama VLAN, port yang terhubung dan juga status dari VLAN aktif. Sedangkan untuk VLAN ber id 2,3,4 tidak memiliki nama VLAN, port yang terhubung, dan status.

2. Kegiatan 2. Topologi 2



Tugas 7A:



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	Fa0/4
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
Transl	Trans2							

Ctrl+F6 to exit CLI focus

Copy

Paste

☐ Top

SW1

Physical

Config

CLI

Attributes

IOS Command Line Interface

30

enet

100030

1500

-

-

-

-

-

0

0

1002

fddi

101002

1500

-

-

-

-

-

0

0

1003

tr

101003

1500

-

-

-

-

-

0

0

1004

fdnet

101004

1500

-

-

-

ieee

-

0

0

1005

trnet

101005

1500

-

-

-

ibm

-

0

0

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode
Transl	Trans2							

Remote SPAN VLANs

Primary	Secondary	Type	Ports
-----	-----	-----	-----

Switch#

Ctrl+F6 to exit CLI focus

Copy

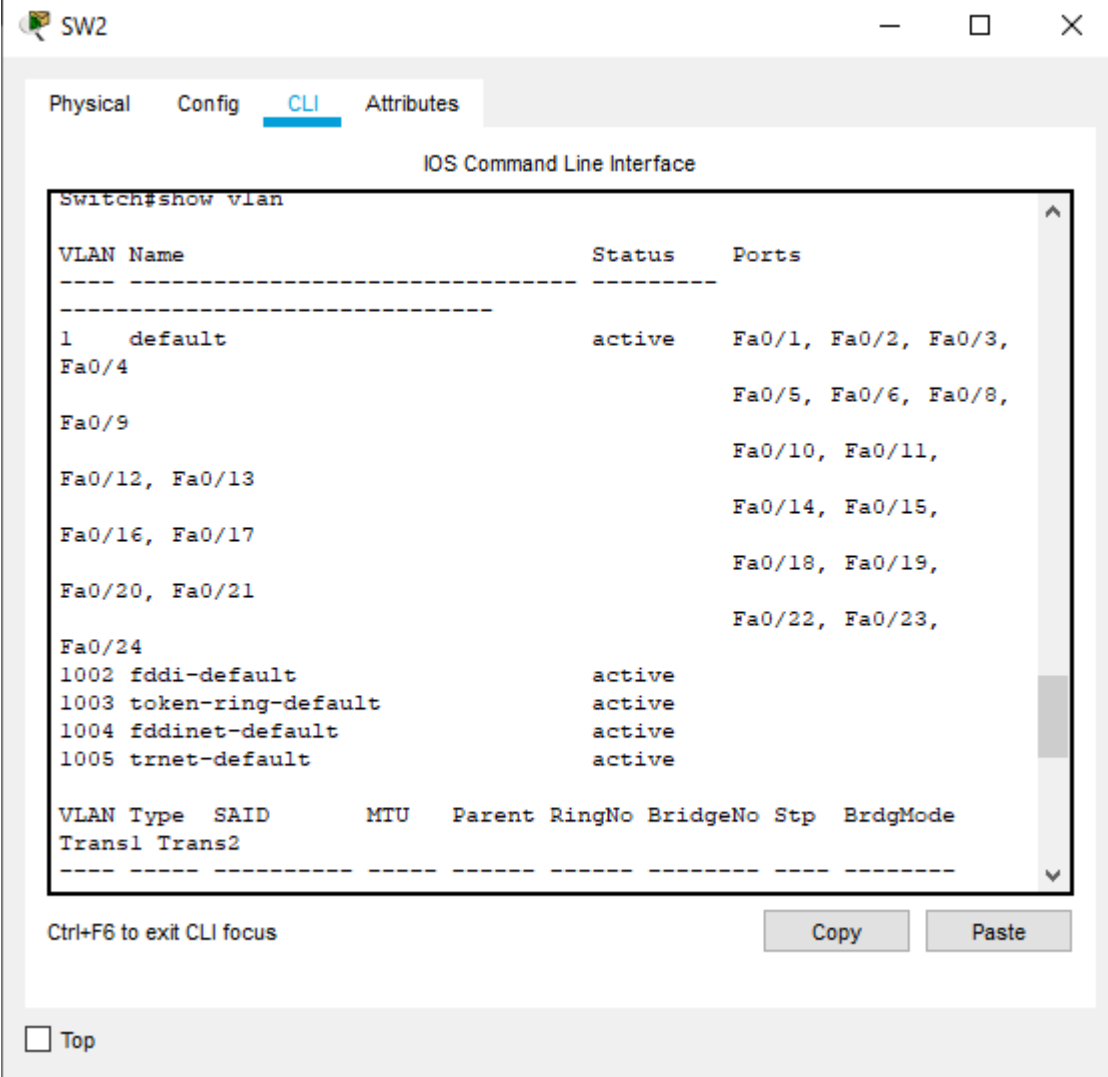
Paste

☐ Top

Tugas 8A:

Mengapa PC pisces yang berada di switch 2 bisa menerima status “reply” dari PC leo yang berada di switch 1. Karena switch 1 telah memiliki trunking yang bisa mengabungkan trafik VLANnya dengan VLAN di switch lain.

Tugas 10A:



The screenshot shows a network switch configuration window titled "SW2". The "CLI" tab is selected, displaying the "IOS Command Line Interface". The command "Switch#show vlan" has been executed, resulting in a table of VLAN information.

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, 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
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

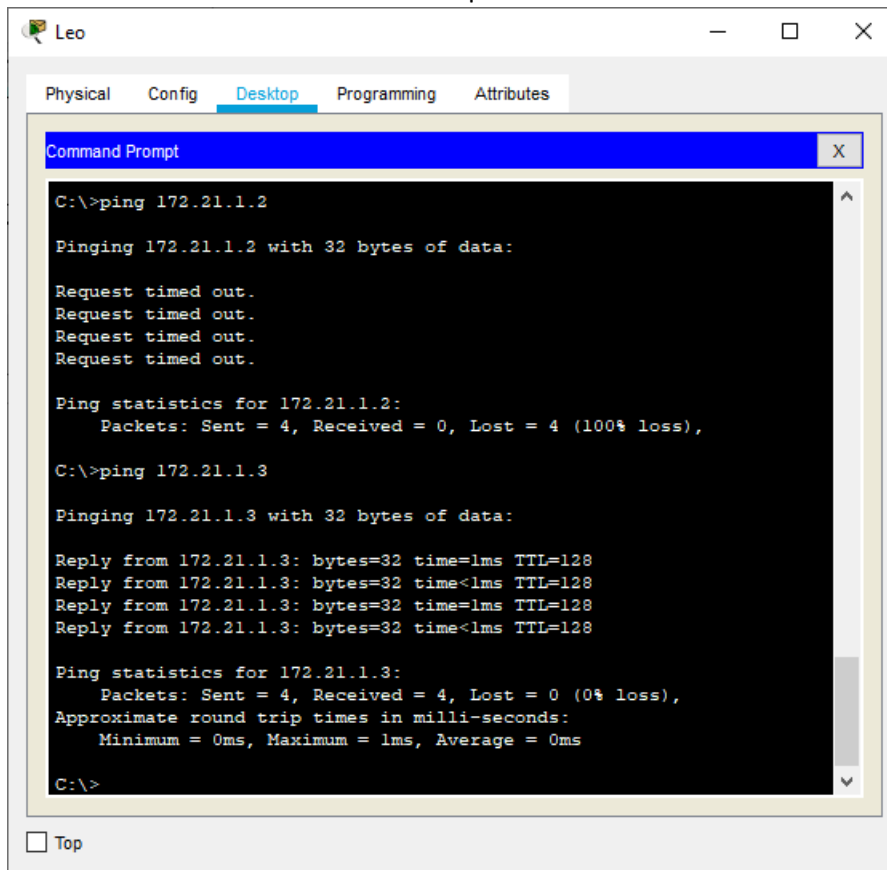
Below the table, there is a section for "VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Transl Trans2".

At the bottom of the CLI window, there are buttons for "Copy" and "Paste", and a "Top" link.

Port pada fastethernet 0/7 trunking dengan switch 1

Tugas 12A:

PC Leo ke PC Aries dan PC Leo ke PC Aquarius



The screenshot shows a window titled "Leo" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of two ping commands. The first command is "C:\>ping 172.21.1.2", which results in four "Request timed out." messages and a summary showing 100% loss. The second command is "C:\>ping 172.21.1.3", which results in four successful replies from 172.21.1.3 with a time of 1ms and TTL of 128, and a summary showing 0% loss.

```
C:\>ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

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

Ping statistics for 172.21.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.21.1.3

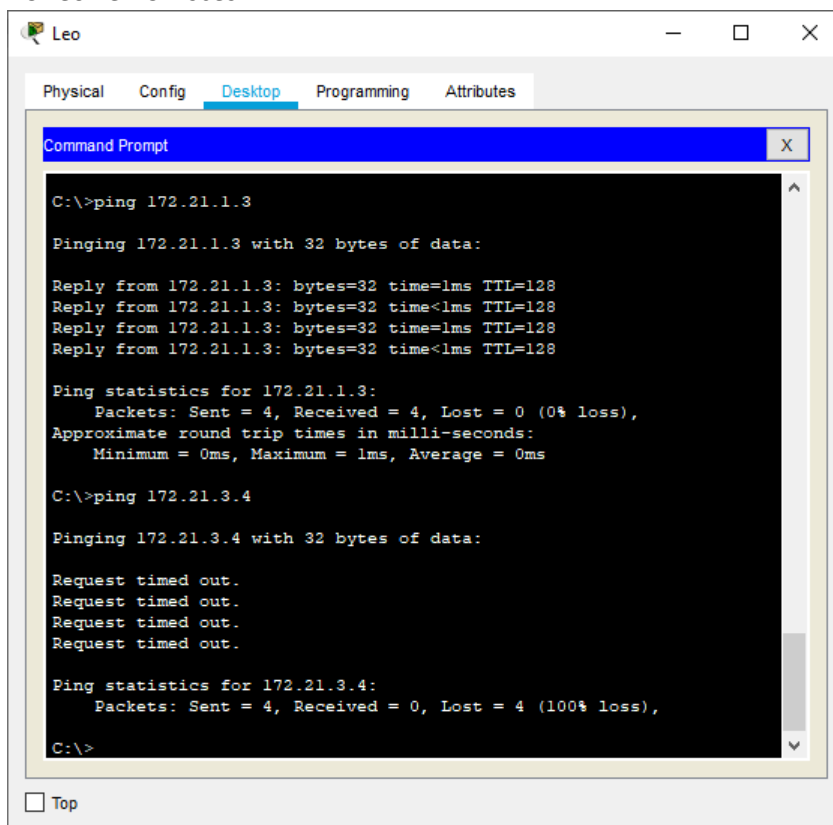
Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

PC Leo ke PC Pisces



The screenshot shows a window titled "Leo" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of two ping commands. The first command is "C:\>ping 172.21.1.3", which results in four successful replies from 172.21.1.3 with a time of 1ms and TTL of 128, and a summary showing 0% loss. The second command is "C:\>ping 172.21.3.4", which results in four "Request timed out." messages and a summary showing 100% loss.

```
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 172.21.3.4

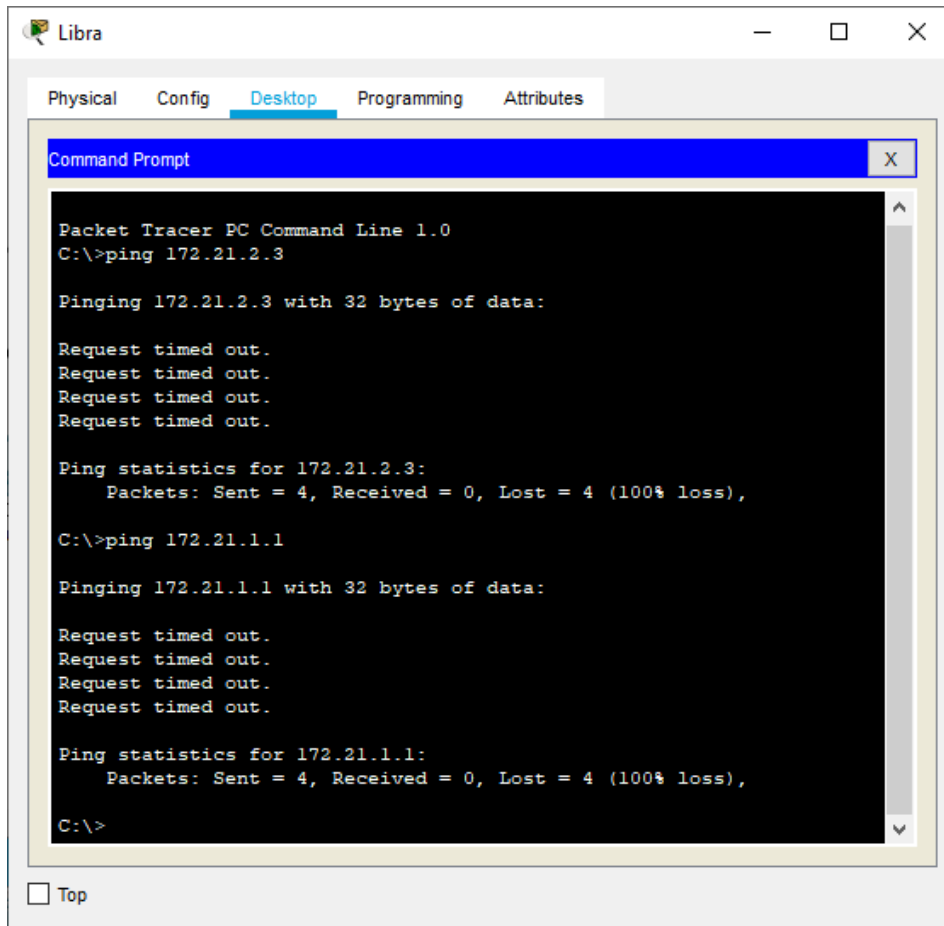
Pinging 172.21.3.4 with 32 bytes of data:

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

Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

PC Libra ke PC Cancer dan PC Libra ke PC Leo



PC Leo dapat berkomunikasi dengan PC Aries karena mempunyai vlan yang sama meski berbeda switch, tapi untuk ke PC Aquarius gagal karena memiliki vlan yang berbeda.