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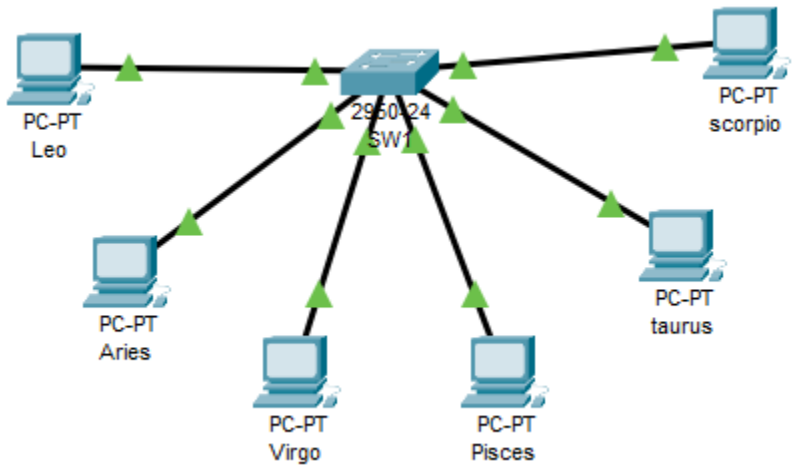
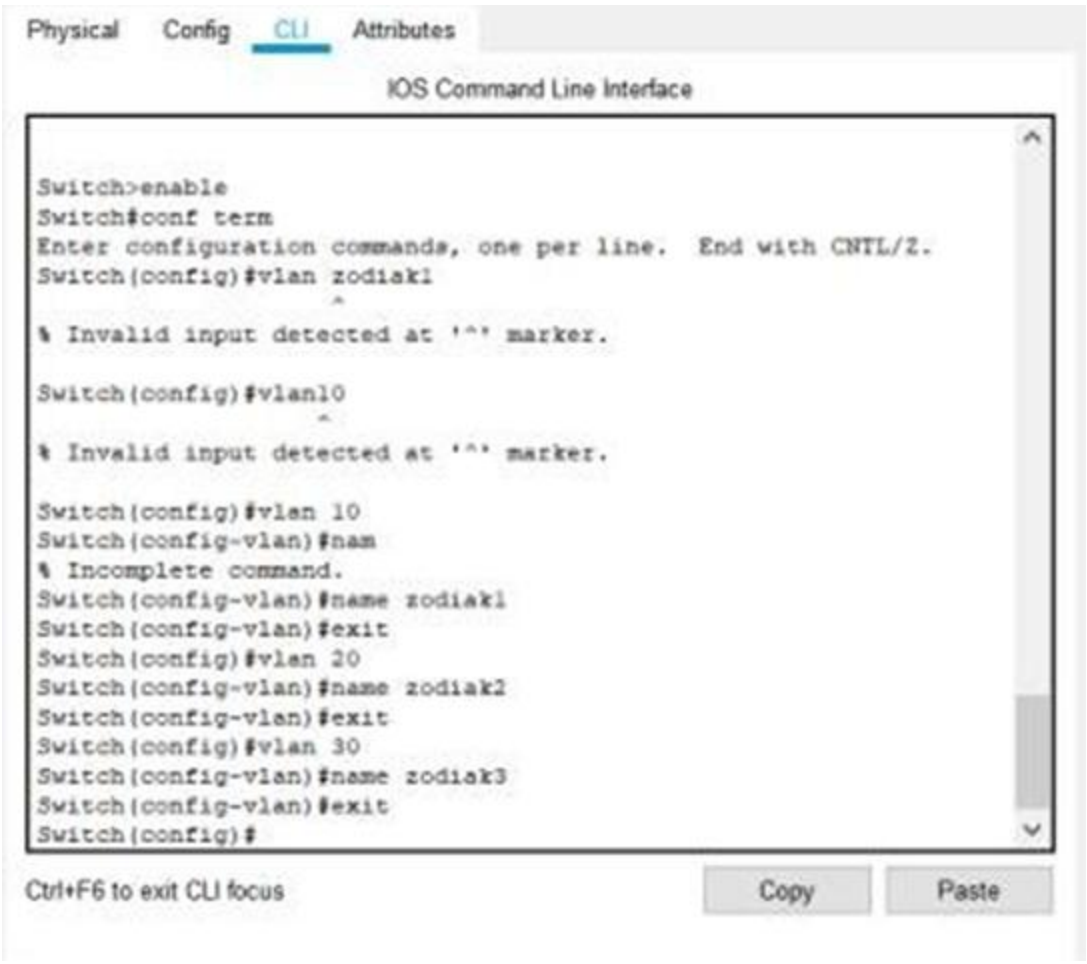
NIM : L200180206

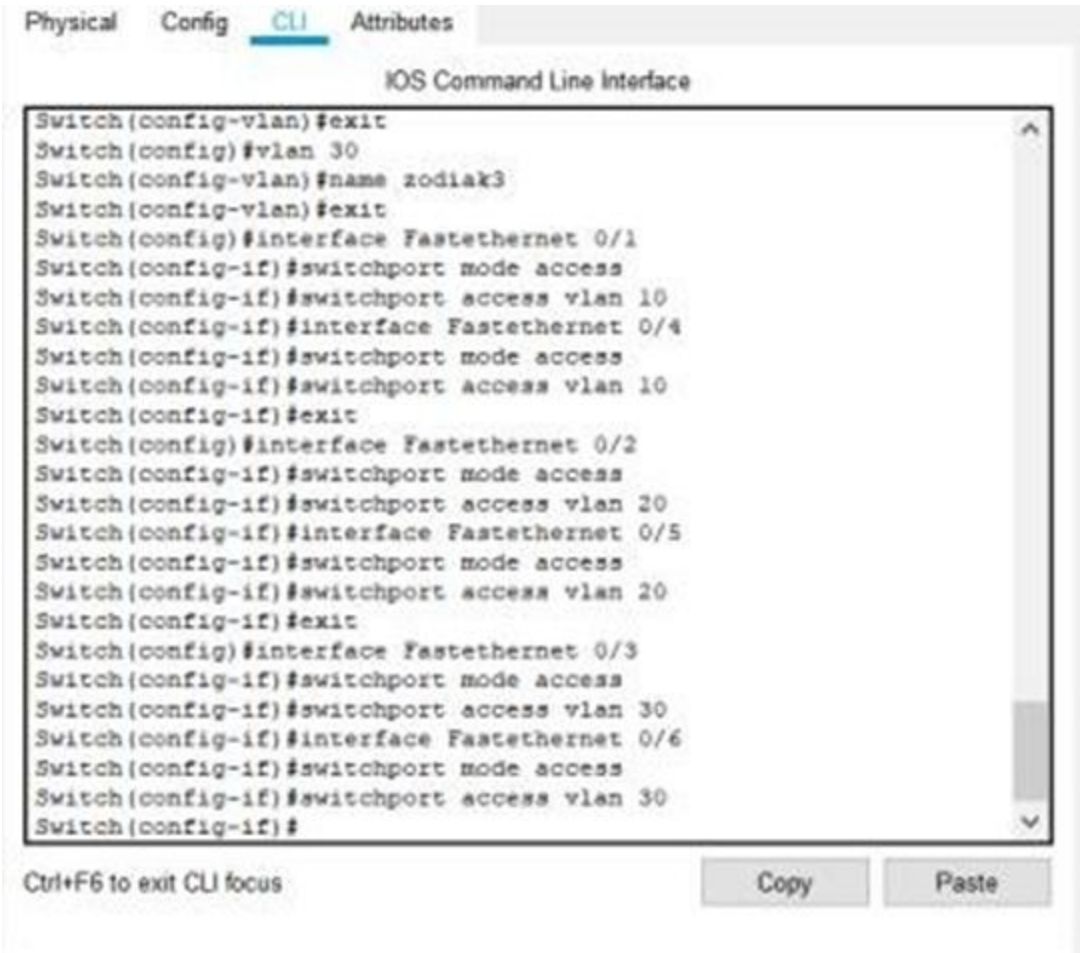
Kelas : H

Kegiatan Praktikum Jaringan Komunikasi Modul 4

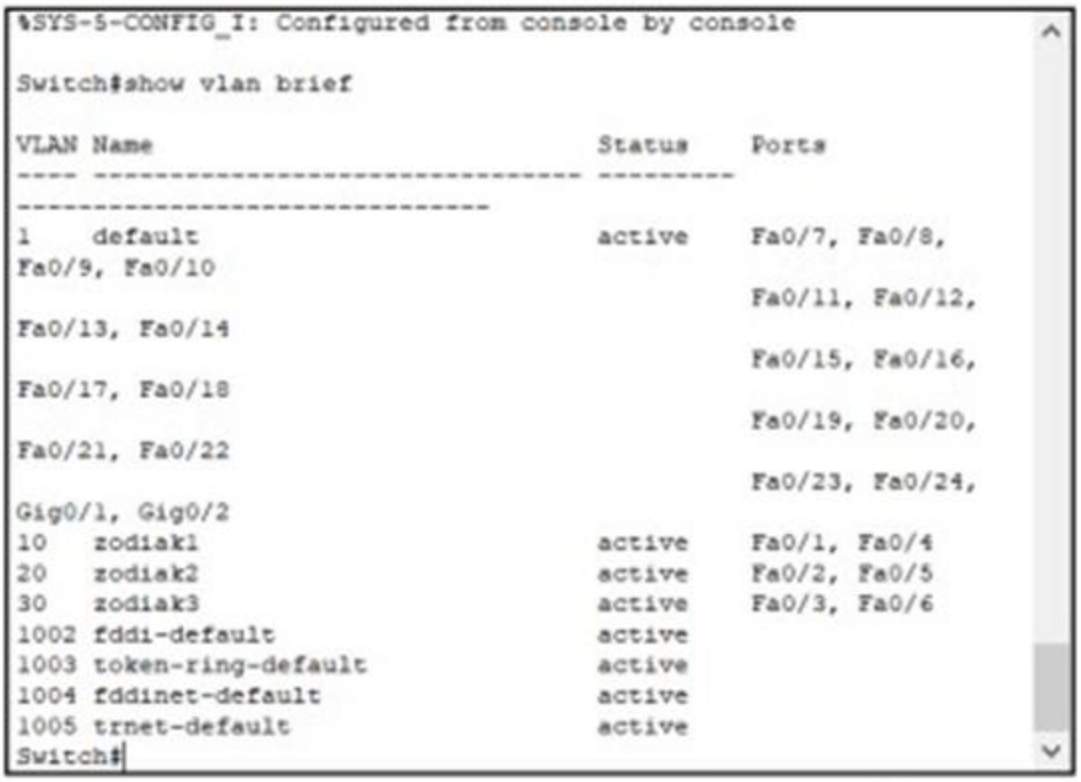
Kegiatan1




Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan zodiak1
^
% Invalid input detected at '^' marker.
Switch(config)#vlan10
^
% Invalid input detected at '^' marker.
Switch(config)#vlan 10
Switch(config-vlan)#nam
% Incomplete command.
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)#
Ctrl+F6 to exit CLI focus
Copy
Paste


Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#interface Fastethernet 0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#interface Fastethernet 0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#interface Fastethernet 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#interface Fastethernet 0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#interface Fastethernet 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#interface Fastethernet 0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#
Ctrl+F6 to exit CLI focus
Copy
Paste

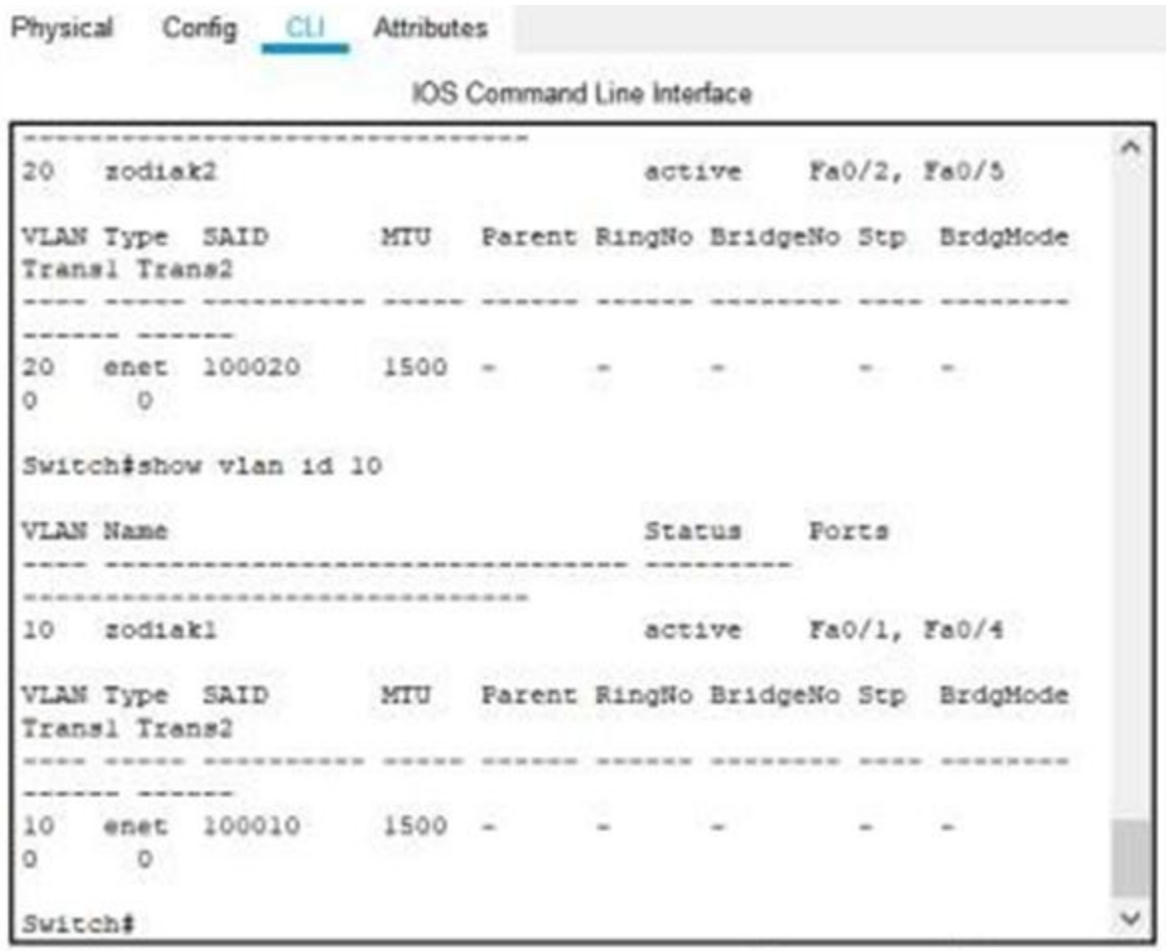
IOS Command Line Interface

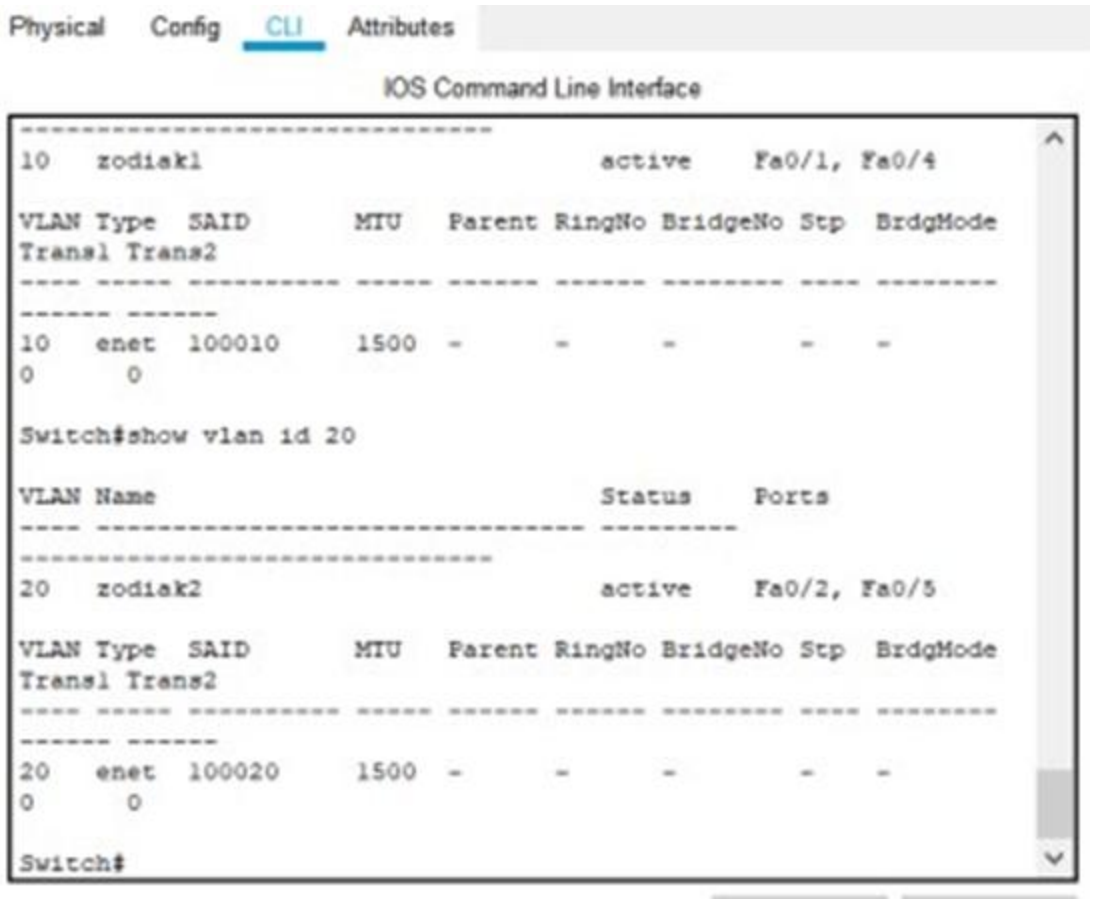


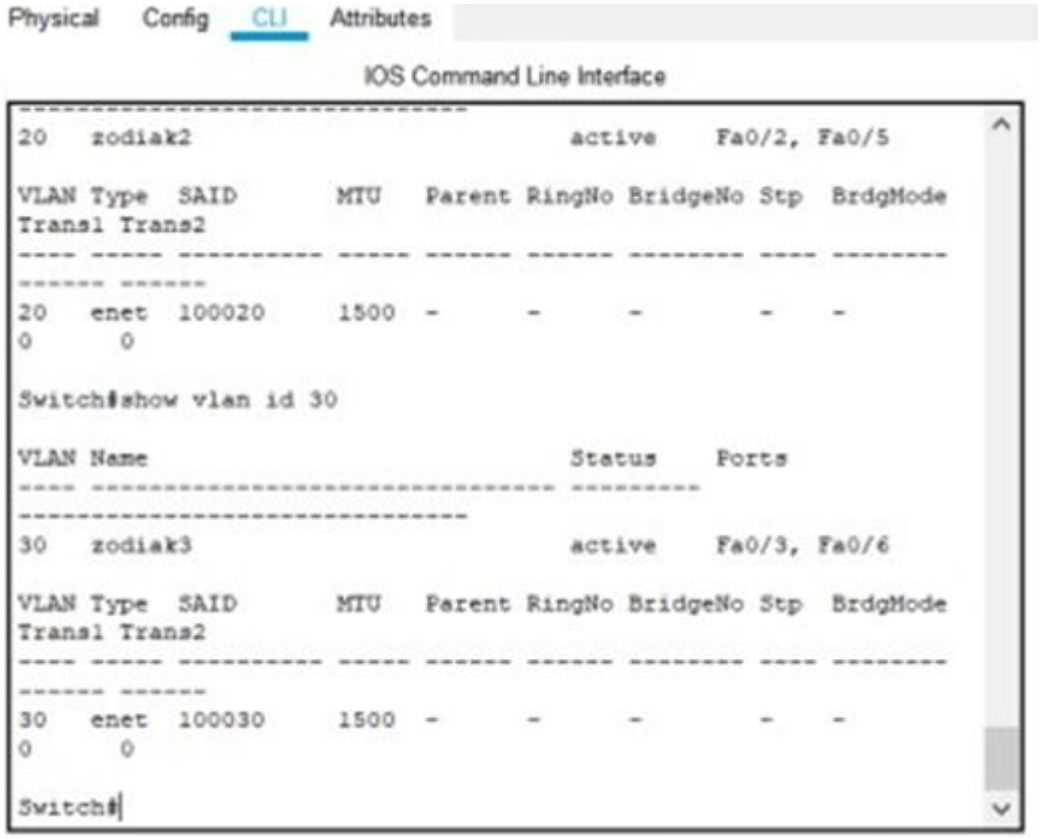
```
%SYS-5-CONFIG_I: Configured from console by console

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
                                                 Fa0/15, Fa0/16,
Fa0/17, Fa0/18
                                                 Fa0/19, Fa0/20,
Fa0/21, Fa0/22
                                                 Fa0/23, Fa0/24,
Gig0/1, Gig0/2
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#
```


Physical
Config
CLI
Attributes
IOS Command Line Interface
20 zodiak2 active Fa0/2, Fa0/5
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Trans1 Trans2
20 enet 100020 1500 - - - - -
0 0
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 0
Switch#


Physical
Config
CLI
Attributes
IOS Command Line Interface
10 zodiak1 active Fa0/1, Fa0/4
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Trans1 Trans2
10 enet 100010 1500 - - - - -
0 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
20 enet 100020 1500 - - - - -
0 0
Switch#



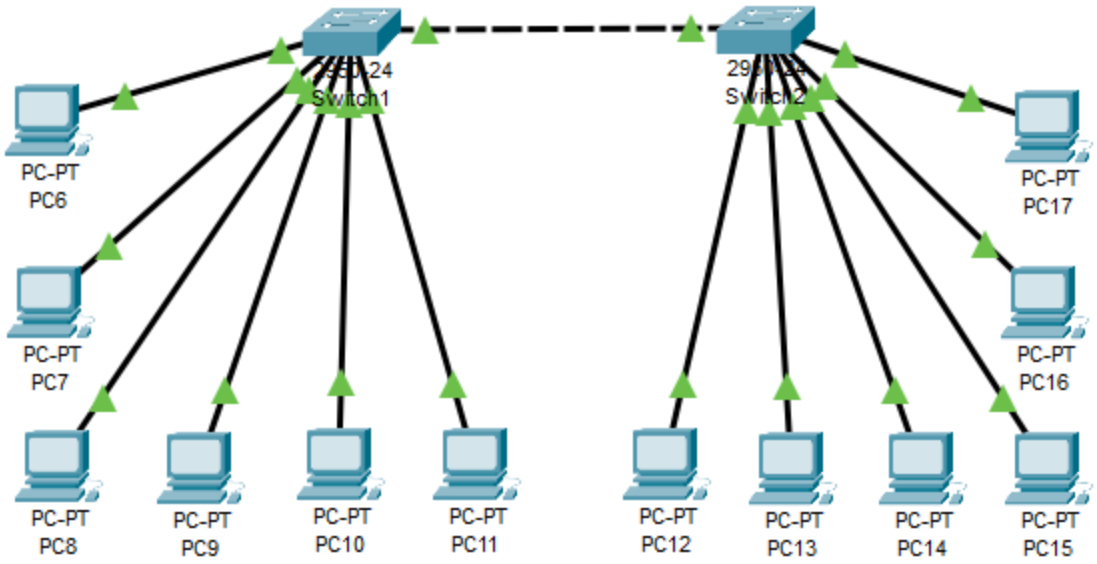
No	Variabel	Nilai
1	Nomor Vlan	10
2	Nama Vlan	Zodiak1
3	Port	0/1 dan 0/4
4	Status	active

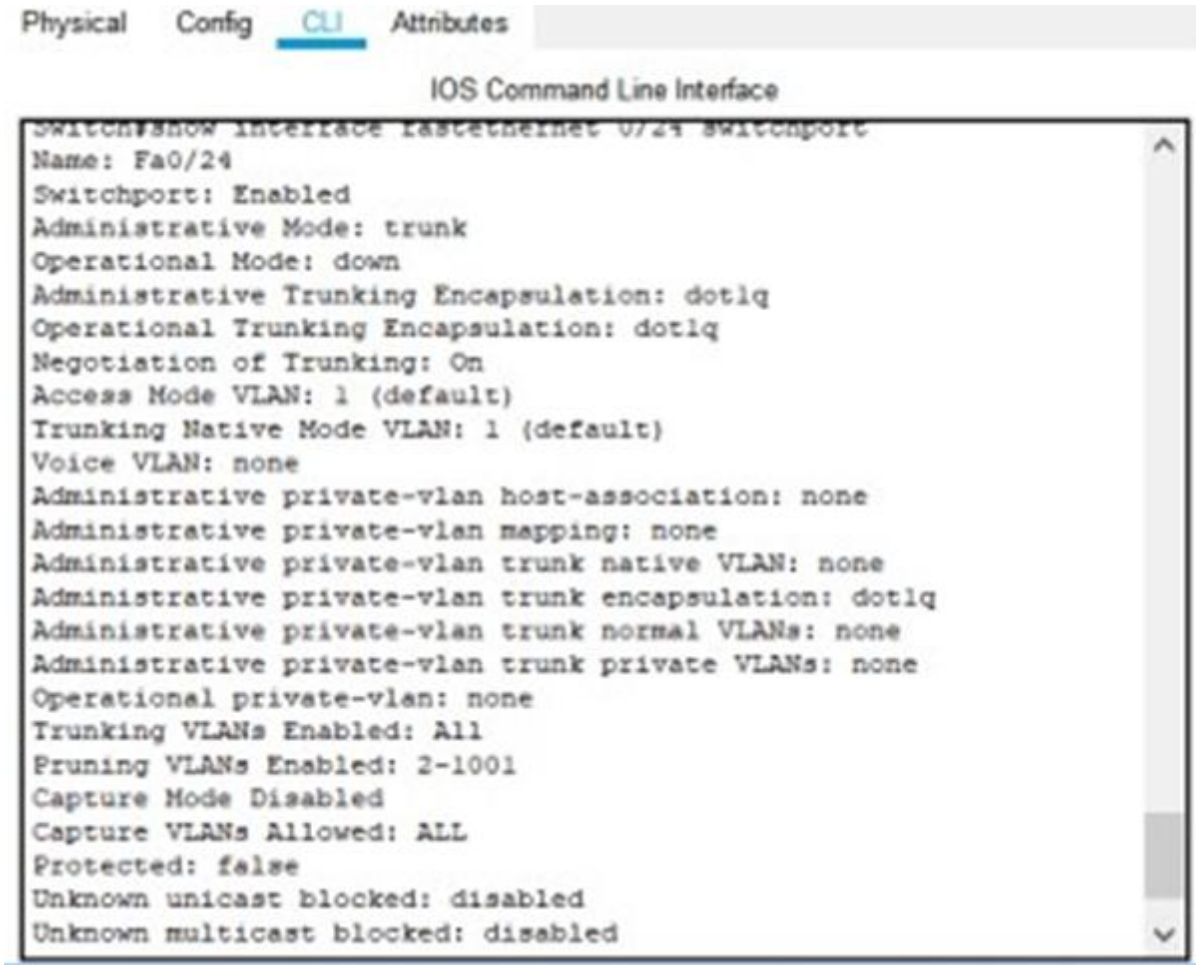
No	Variabel	Nilai
1	Nomor Vlan	20
2	Nama Vlan	Zodiak2
3	Port	0/2 dan 0/5
4	Status	active

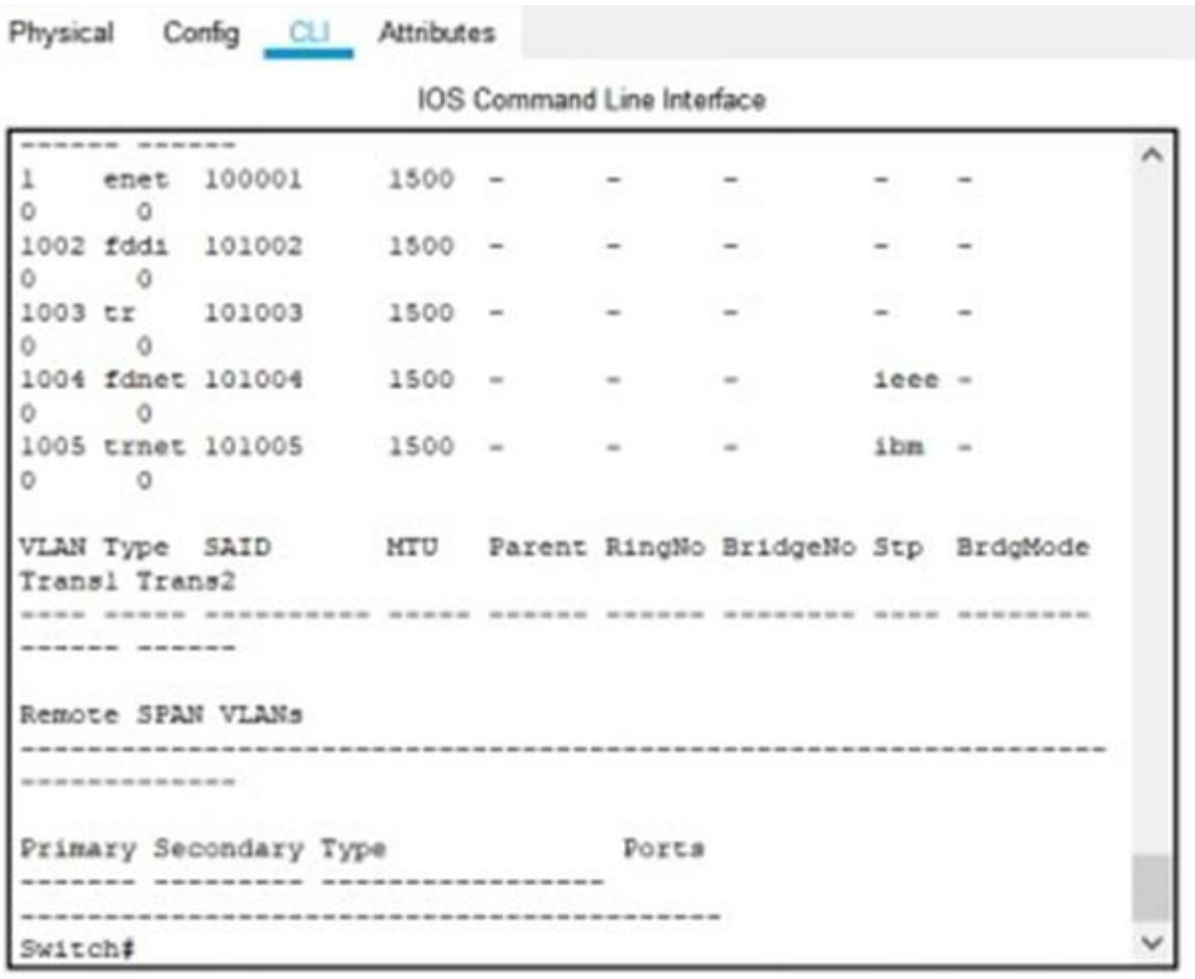
No	Variabel	Nilai
1	Nomor Vlan	30
2	Nama Vlan	Zodiak3

3	Port	0/4 dan 0/6
4	Status	active

Kegiatan 2



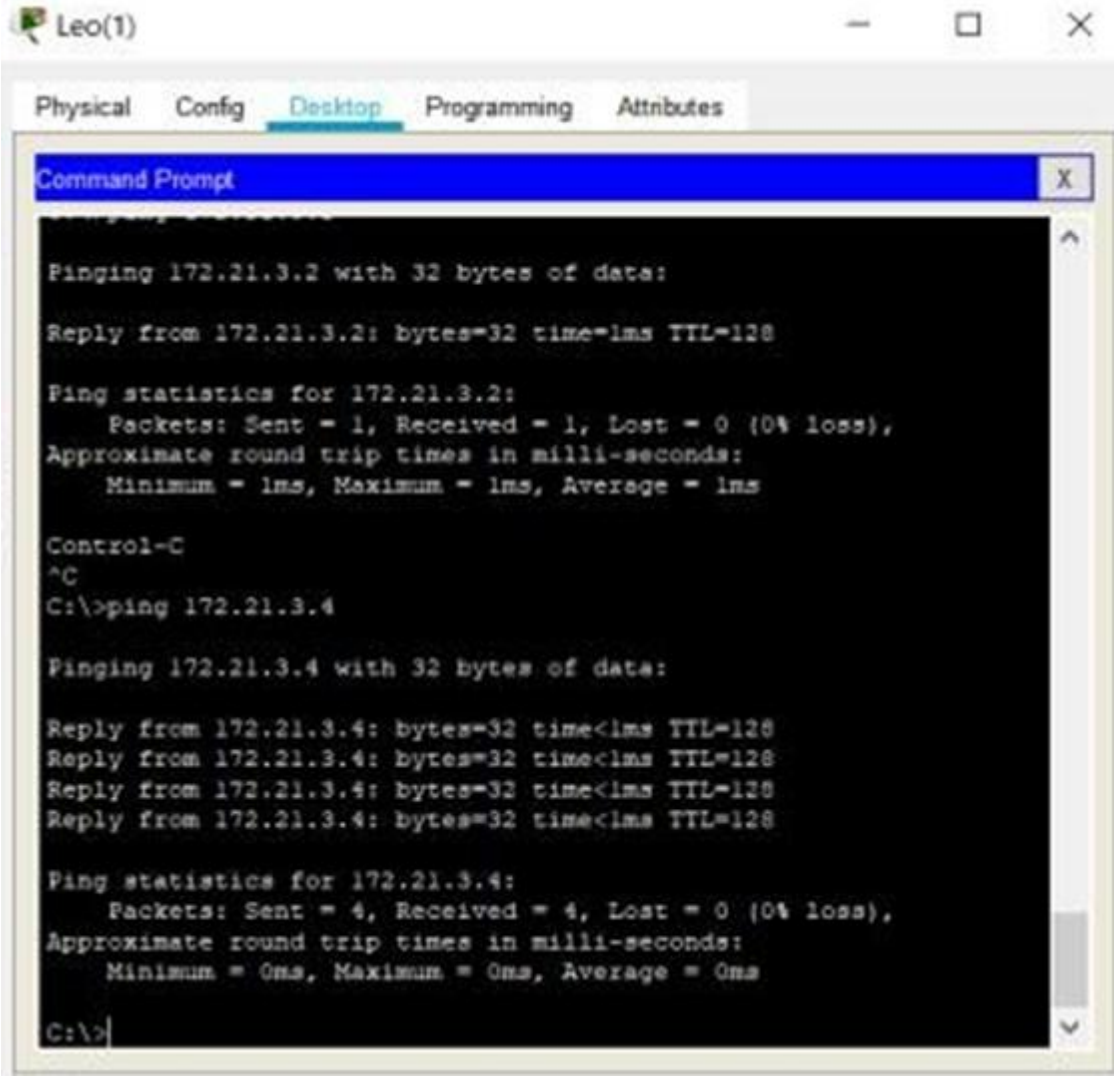

Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch#show interface fastethernet 0/24 switchport
Name: Fa0/24
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: down
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Unknown unicast blocked: disabled
Unknown multicast blocked: disabled


Physical
Config
CLI
Attributes
IOS Command Line Interface
------ ------
1 enet 100001 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
Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- --------
------ ------
Remote SPAN VLANs

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

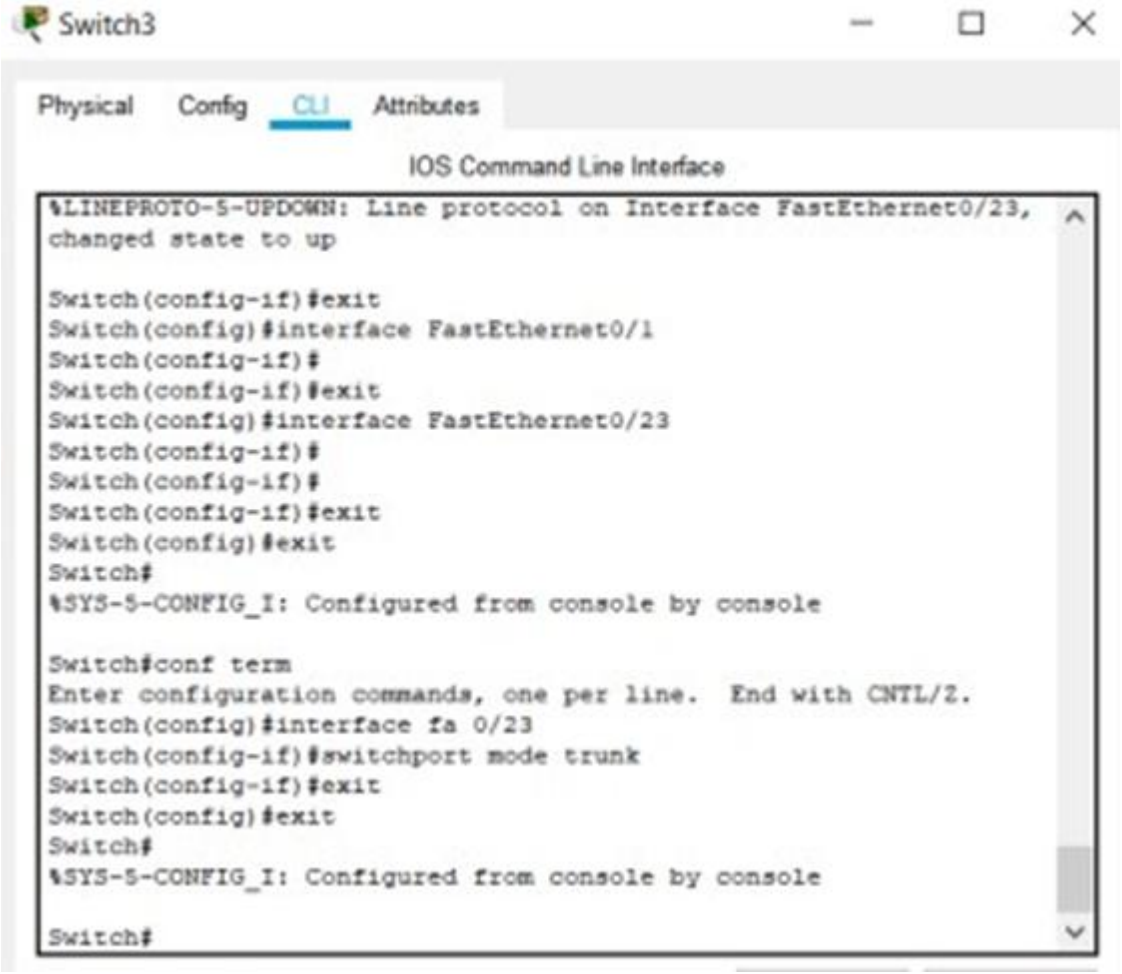
Switch#

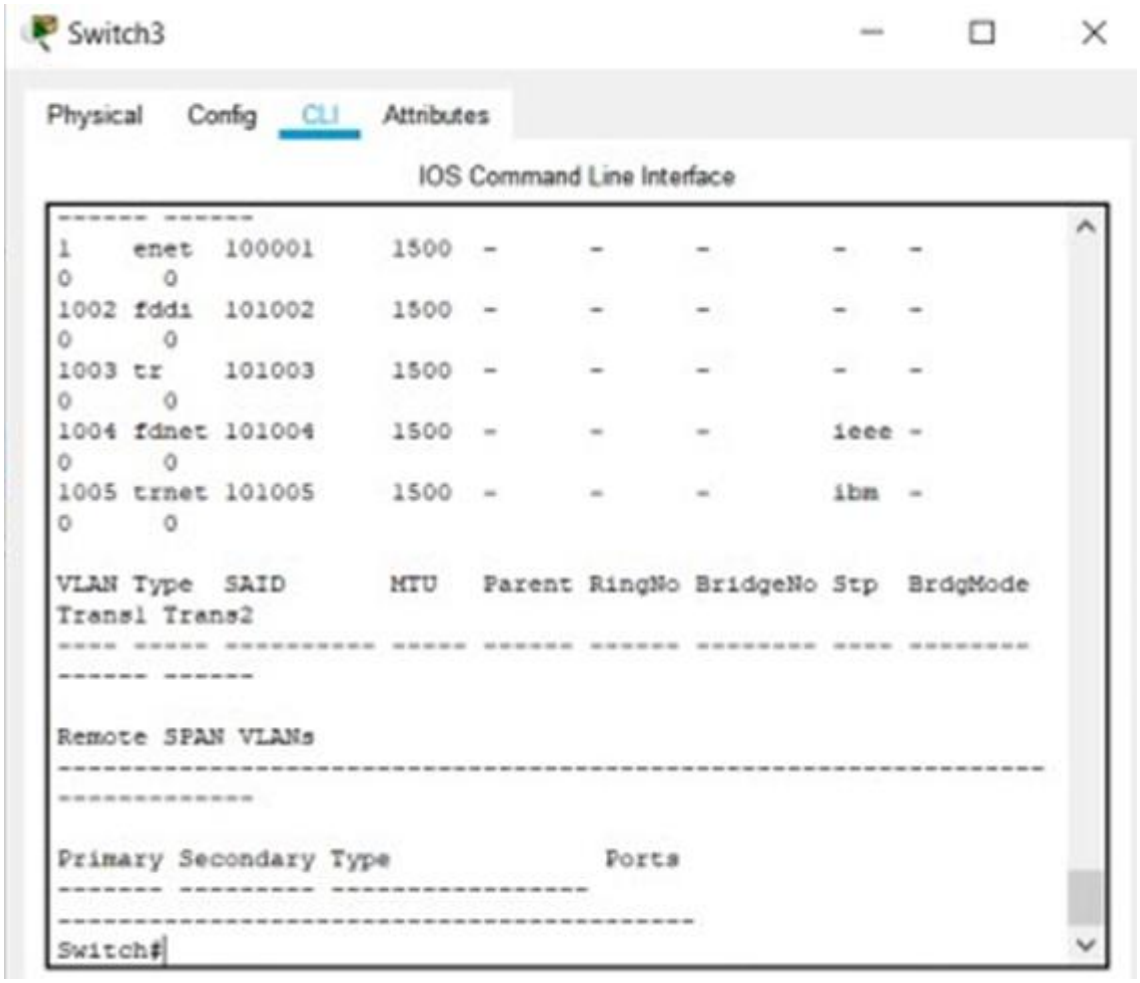
Tugas 7A:Semua vlan berhasil di aktifkan



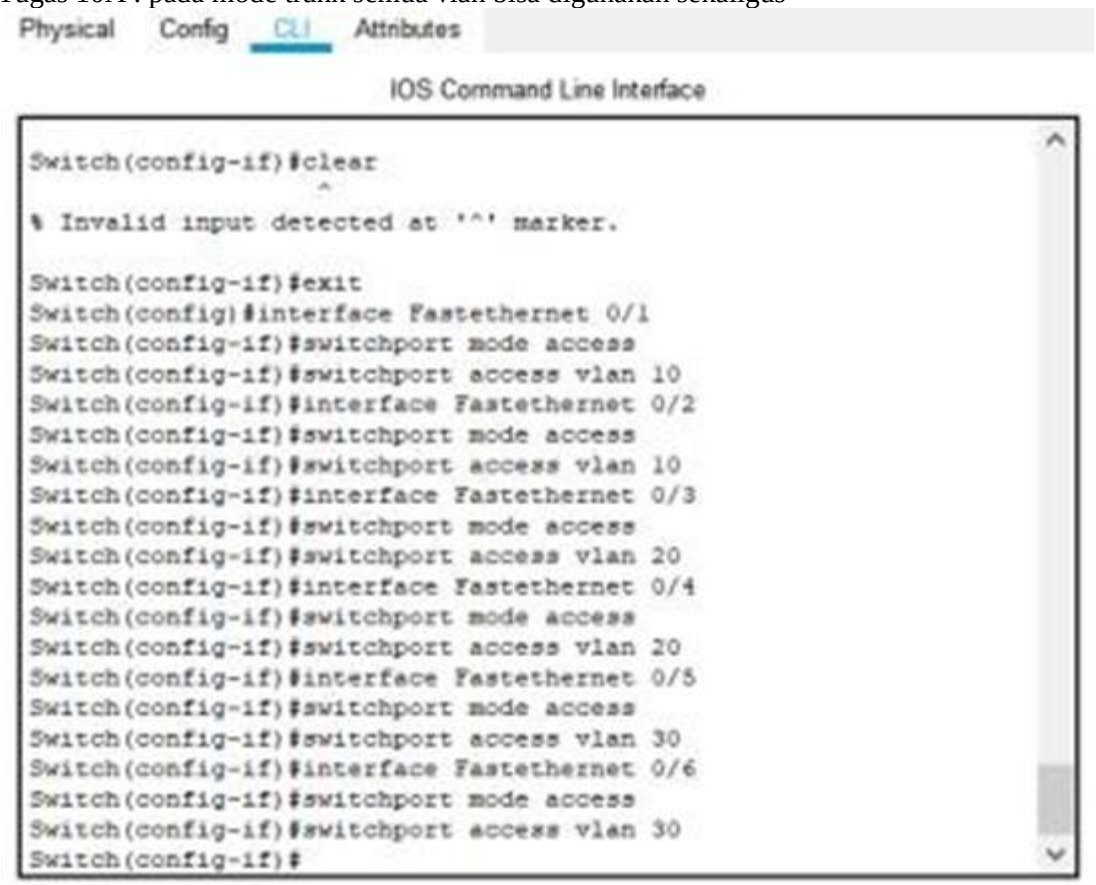
Tugas 8A:

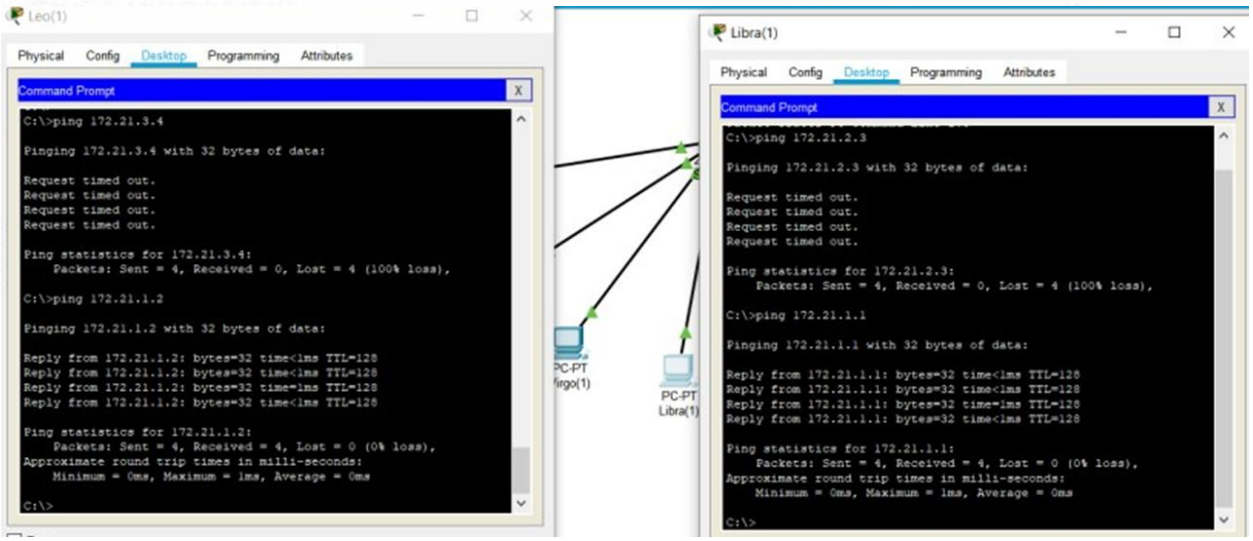
Hasil yang diperoleh adalah reply karena pada switchport mode trunk bisa menggunakan semua vlan yang ada

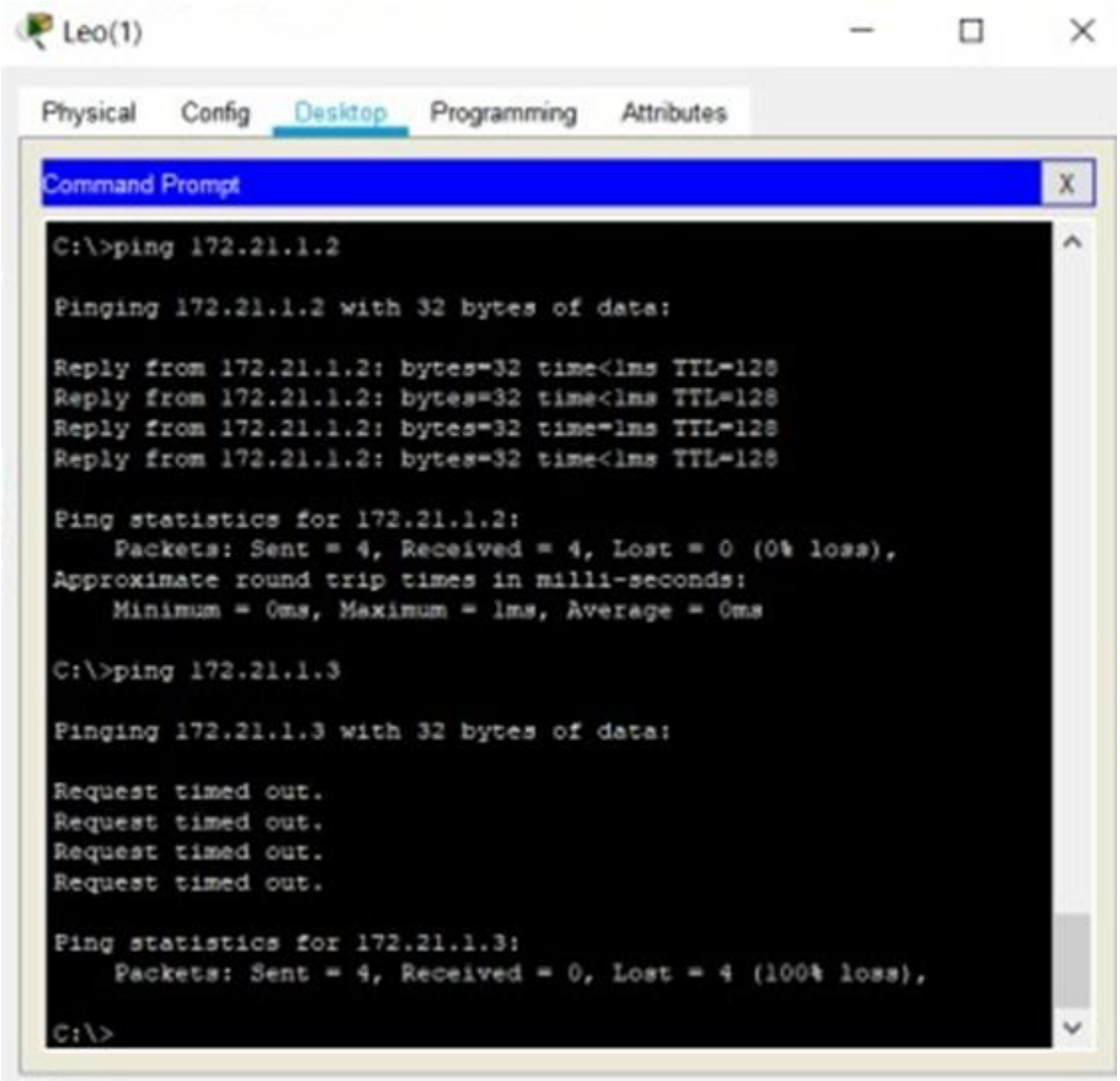



Switch3
Physical
Config
CLI
Attributes
IOS Command Line Interface
1 enet 100001 1500 - - - - -
0 0
1002 fddi 101002 1500 - - - - -
0 0
1003 tr 101003 1500 - - - - -
0 0
1004 fdnet 101004 1500 - - - ieee -
0 0
1005 trnet 101005 1500 - - - ibm -
0 0
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Trans1 Trans2
Remote SPAN VLANs
Primary Secondary Type Ports
Switch#

Tugas 10A : pada mode trunk semua vlan bisa digunakan sekaligus







Tugas 12 A : Hasil	
Ping PC Leo – PC Aries	= Reply berhasil connect karena masih 1 vlan
Ping PC Leo – PC Aquarius	= RTO gagal karena beda vlan antara PC Leo – PC Aquarius Vlan PC Leo 1 – vlan PC Aquarius 10
Ping PC Leo – PC Pisces	= RTO gagal karena beda vlan antara PC Leo – PC Pisces Vlan PC Leo 1 – vlan PC Pisces 30
Ping PC Libra – PC Cancer	= RTO gagal karena beda vlan antara PC Libra – PC Cancer Vlan PC Libra 1 – vlan PC Cancer 20

Ping PC Libra – PC Leo	= Reply berhasil connect karena masih 1 vlan