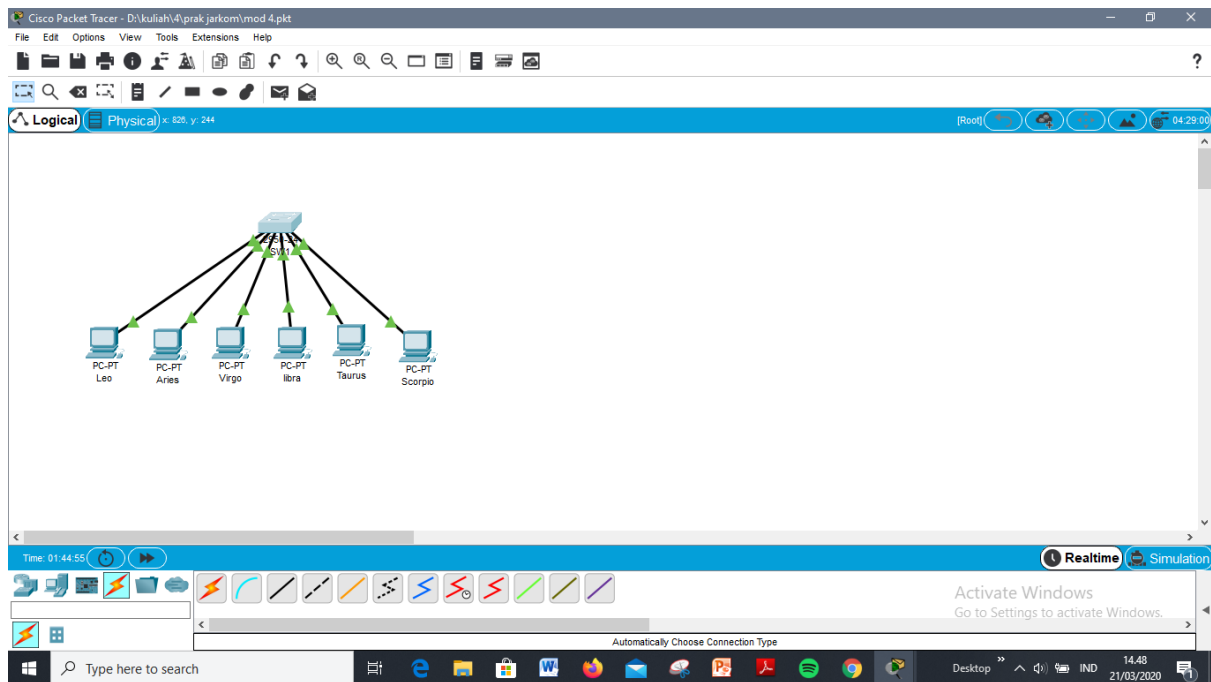


**NAMA : NIMAS WORO PANGESTI**

**NIM : L200180160**

**KELAS : D**

## **KEGIATAN 1**



```
SW1
Physical Config CLI Attributes
IOS Command Line Interface

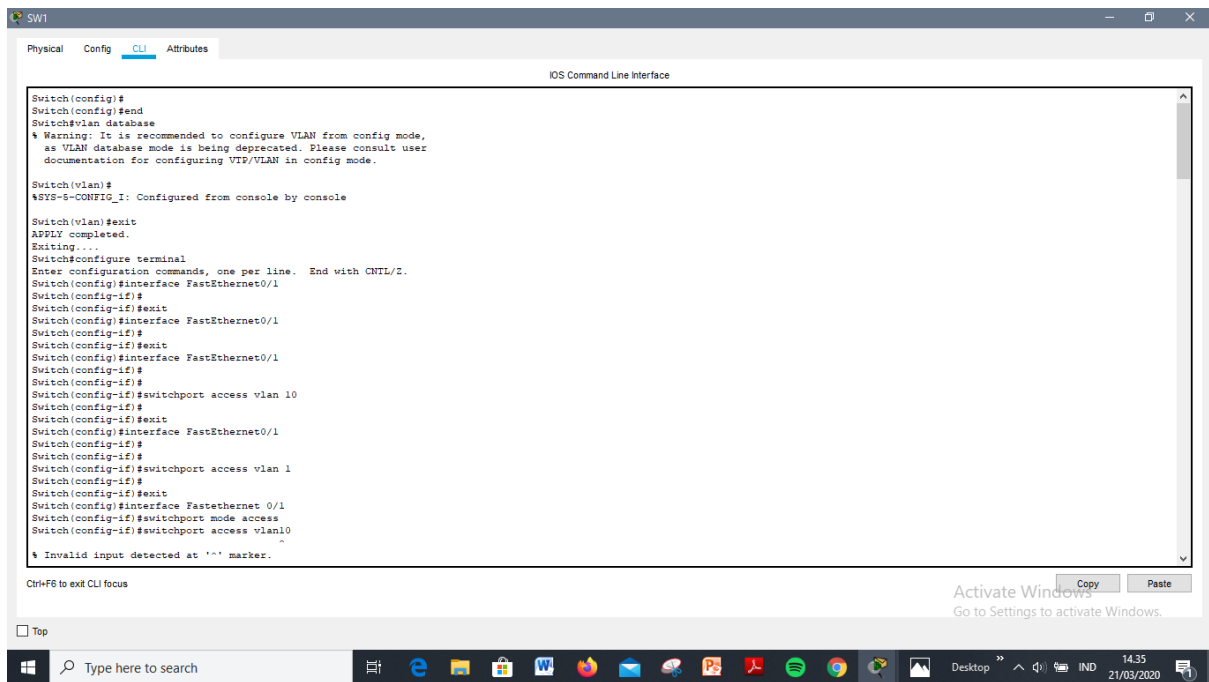
Switch(config-if)#switchport mode access
Switch(config-if)#switch access vlan 30
Switch(config-if)#exit
Switch(config)#
Switch(config)#show vlan id 2
^
% Invalid input detected at '^' marker.

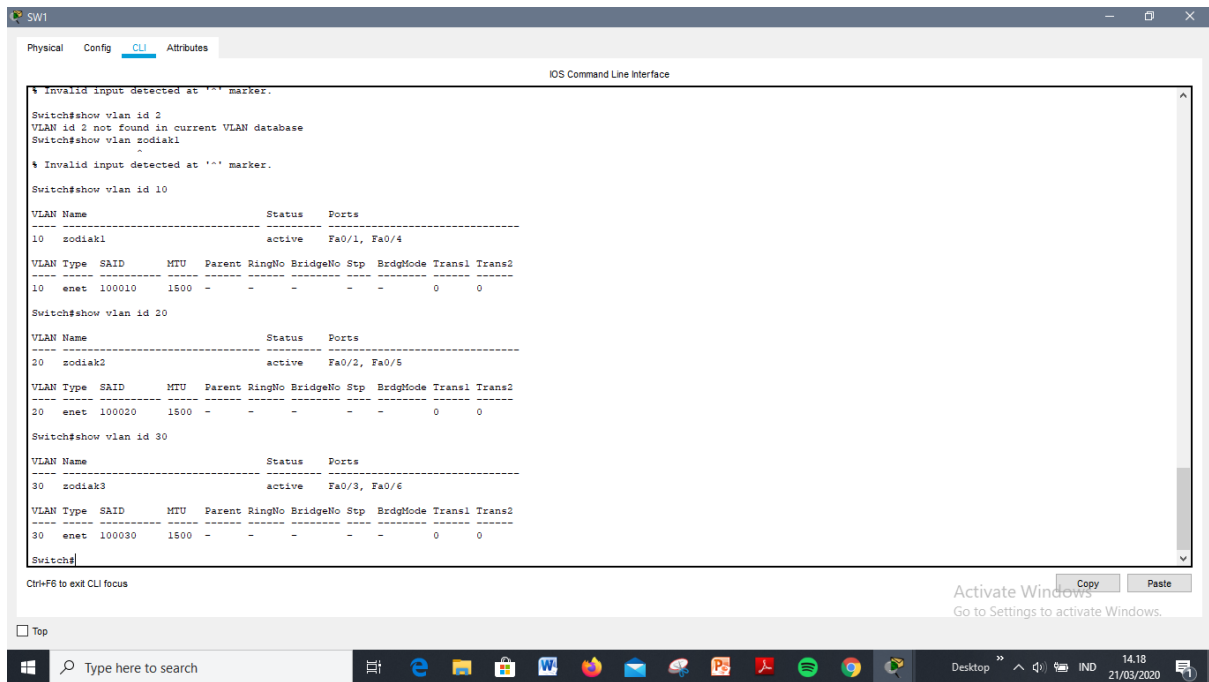
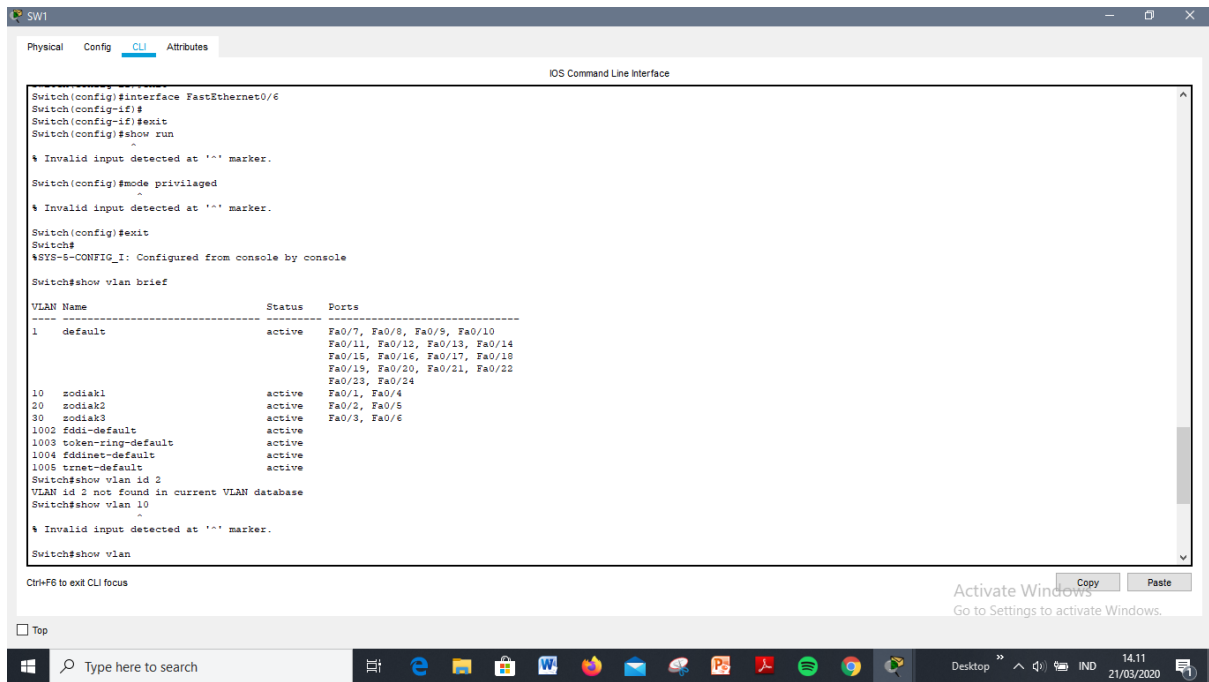
Switch(config)#
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/2
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/3
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/4
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/5
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/6
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#show run
^
% Invalid input detected at '^' marker.

Switch(config)#mode privileged
^
% Invalid input detected at '^' marker.

Switch(config)#exit
Switch#
*SYS-6-CONFIG_I: Configured from console by console

Ctrl+F6 to exit CLI focus
```





### TUGAS 6A

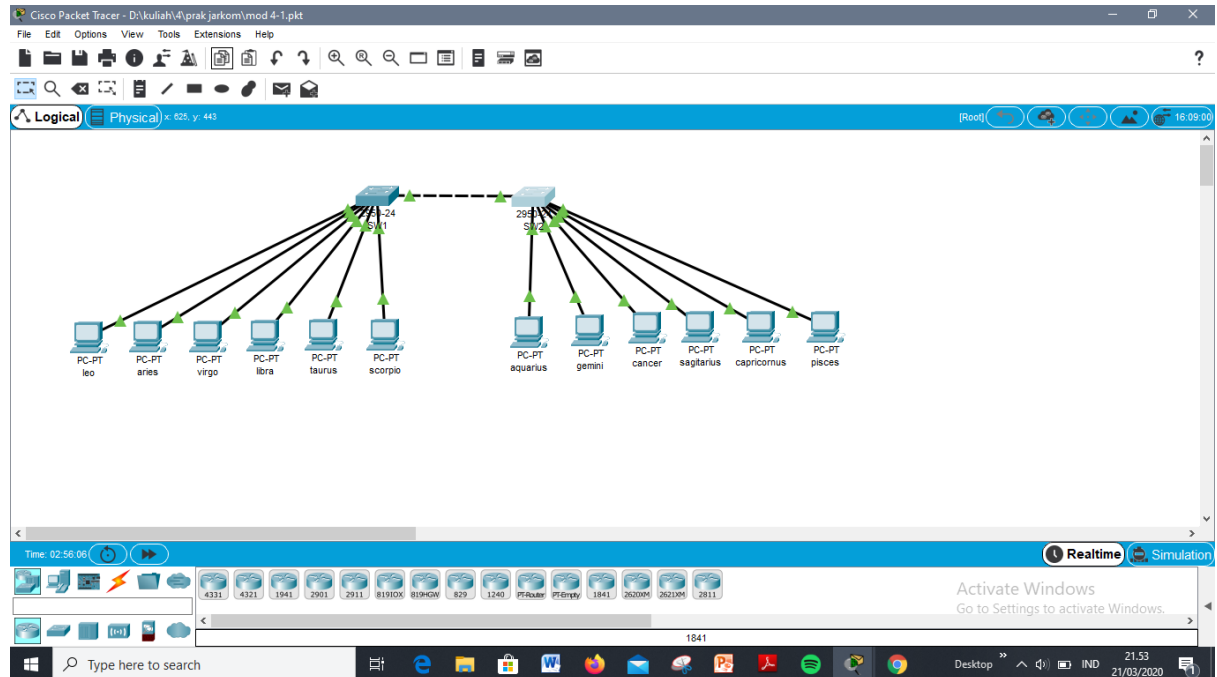
| NO | Variabel   | Nilai       |
|----|------------|-------------|
| 1. | Nomor VLAN | 10          |
| 2. | NAMA VLAN  | zodiak1     |
| 3. | Port       | Fa0/1,Fa0/4 |
| 4. | Status     | active      |

| NO | Variabel   | Nilai       |
|----|------------|-------------|
| 1. | Nomor VLAN | 20          |
| 2. | NAMA VLAN  | Zodiak2     |
| 3. | Port       | Fa0/2,Fa0/5 |
| 4. | Status     | active      |
| NO | Variabel   | Nilai       |
| 1. | Nomor VLAN | 30          |
| 2. | NAMA VLAN  | Zodiak3     |
| 3. | Port       | Fa0/3,Fa0/6 |
| 4. | Status     | active      |

### TUGAS 6B

configuration yang kita lakukan telah menjadikan 3 id vlan yang terdiri dari zodiak1(10), zodiak2(20), zodiak3(30) dan masing-masing id vlan diisi dengan 2 port (PC/Client) dan semua vlan statusnya telah aktif.

## KEGIATAN 2



SW1

Physical Config CLI Attributes

IOS Command Line Interface

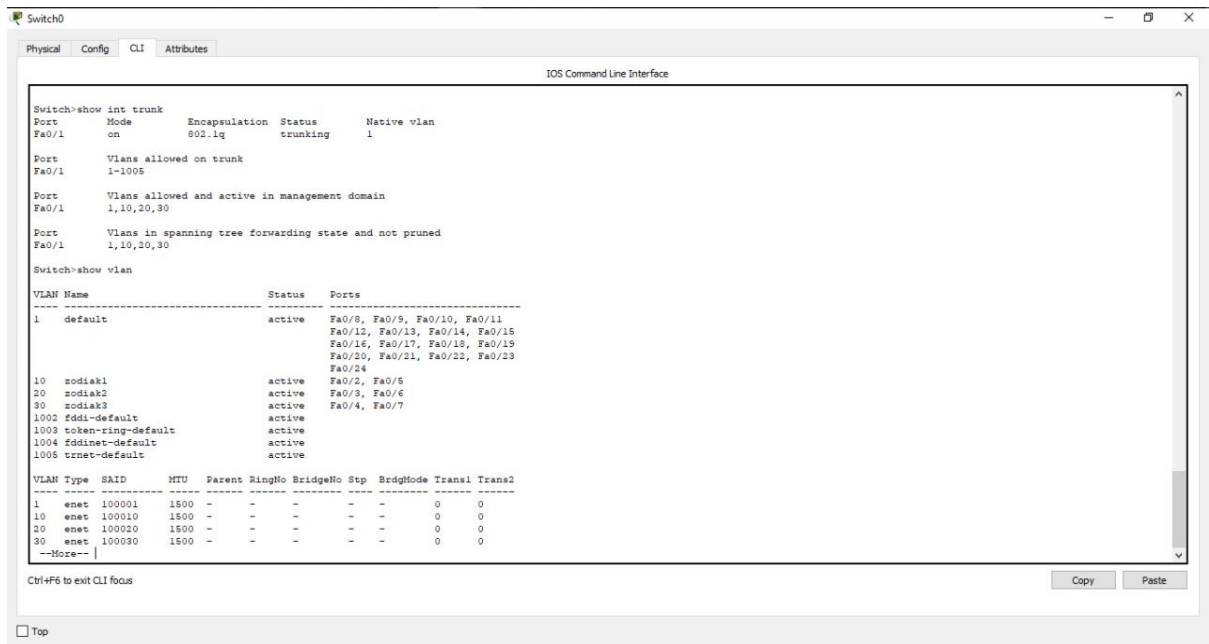
```
Switch>en
Switch#show fa0/24
^
% Invalid input detected at '^' marker.

Switch#show int fa0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 10 (sdiakl)
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
```

Ctrl+F6 to exit CLI focus

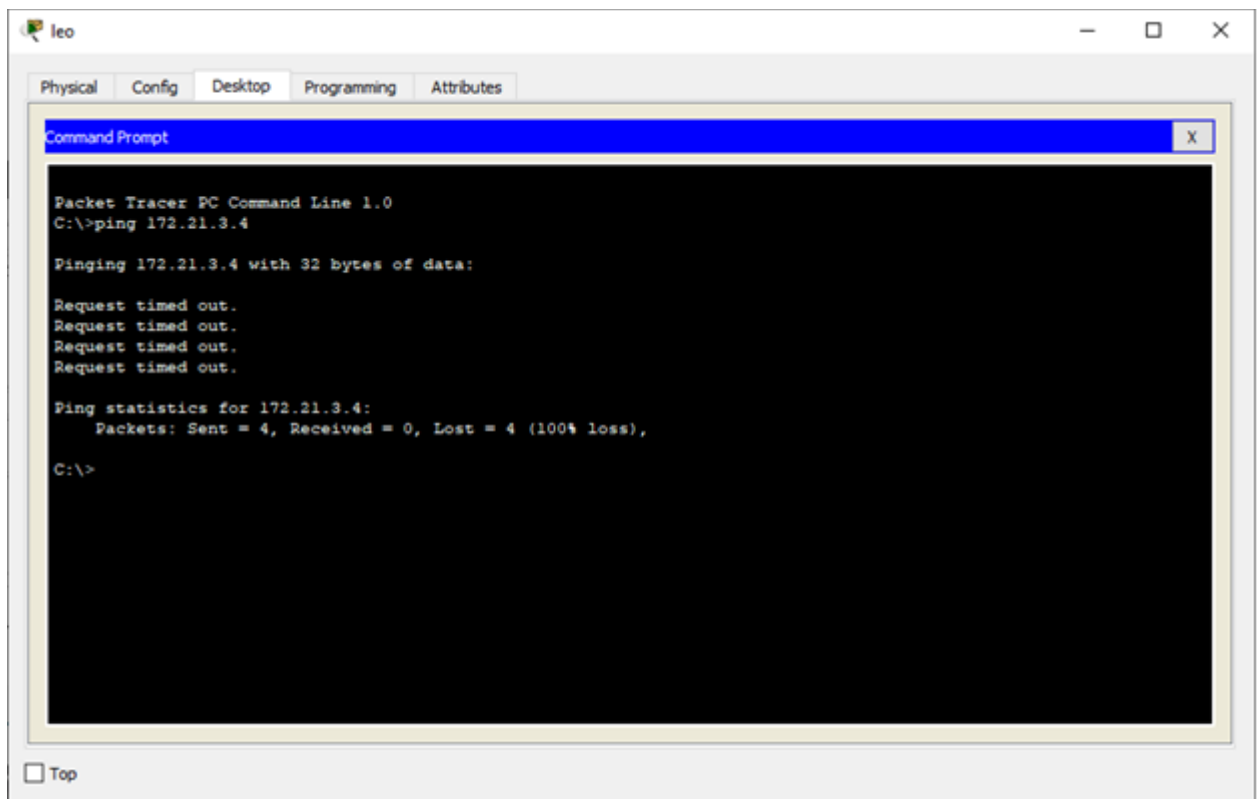
Activate Windows  
Go to Settings to activate Windows.

Copy Paste



## TUGAS 7A

Hasil dari Trunking pada FastEthernet 0/24 adalah kita telah mengizinkan VLAN dari SW1 untuk memperluas VLANnya dengan jalur tunggal yaitu pada port 0/24 sebagai jalur utamanya atau bisa dibilang menghubungkan antar device dengan jalur dari port Trunk (Fa0/24).



## TUGAS 8A

Hasilnya RTO karena walaupun sudah di-Trunking kemudian menyambungkan sesama VLAN ID tapi kalau networknya berbeda tidak bisa terhubung.

The first screenshot shows the configuration of interface Fa0/1 as a trunk port. The second screenshot shows the status of the trunk port and the configuration of various VLANs.

**Switch0**

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show int fa0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
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

Switch>show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/1     on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/1     1-1005

Port      Vlans allowed and active in management domain
Fa0/1     1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/1     1,10,20,30

Switch>show vlan
```

Ctrl+F6 to exit CLI focus

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☐ Top

**Switch0**

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/1     on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/1     1-1005

Port      Vlans allowed and active in management domain
Fa0/1     1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/1     1,10,20,30

Switch>show vlan

VLAN Name                Status    Ports
-----
1    default                active    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    Fa0/2, Fa0/5
20   zodiak2                active    Fa0/3, Fa0/6
30   zodiak3                active    Fa0/4, Fa0/7
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    BdgMode Transl Trans2
-----
1    enet  100001   1500   -      -      -      -      -      0      0
10   enet  100010   1500   -      -      -      -      -      0      0
20   enet  100020   1500   -      -      -      -      -      0      0
30   enet  100030   1500   -      -      -      -      -      0      0
--More--
```

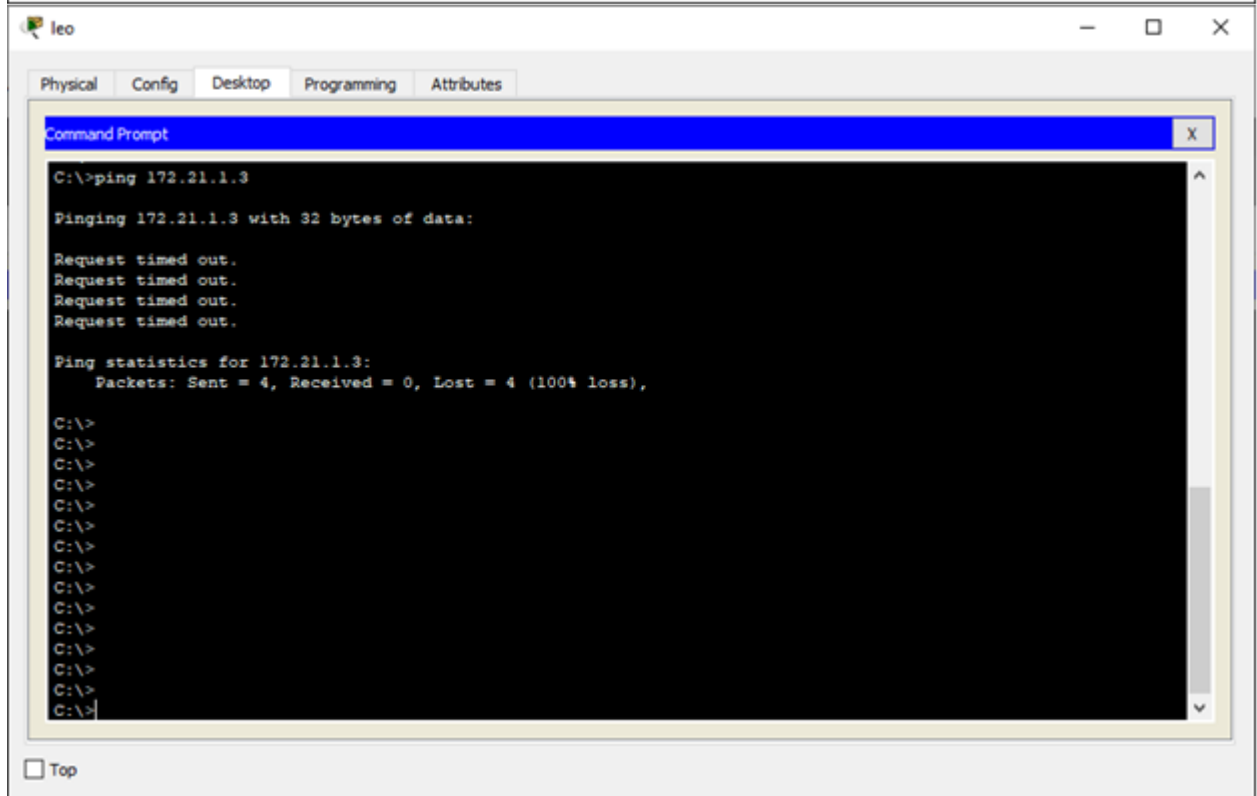
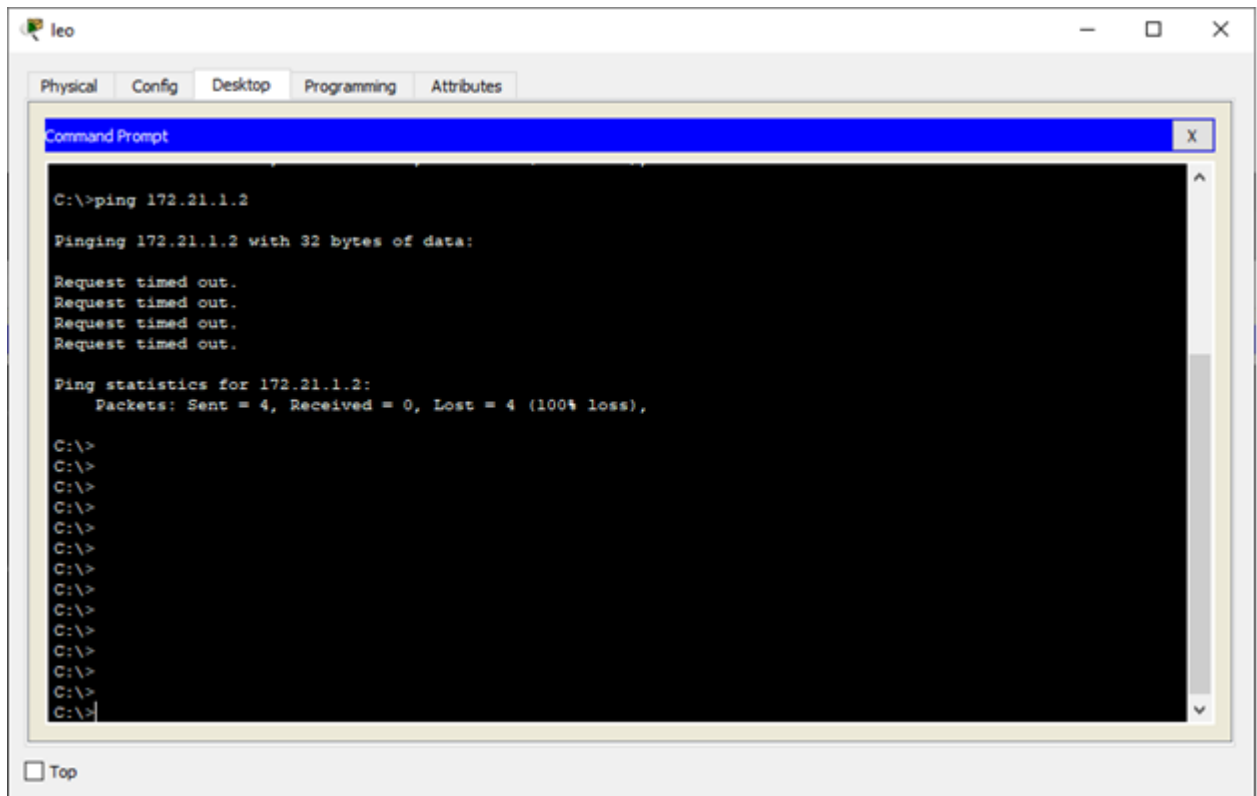
Ctrl+F6 to exit CLI focus

Copy Paste

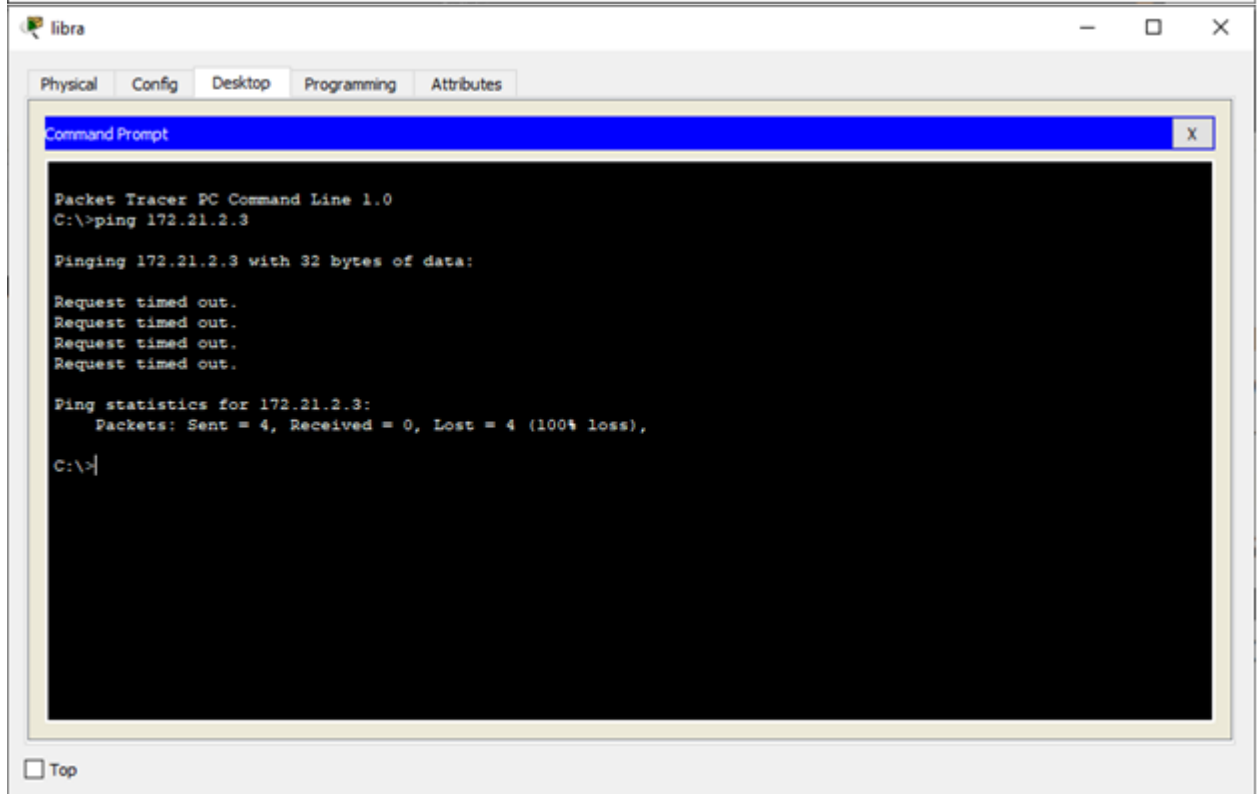
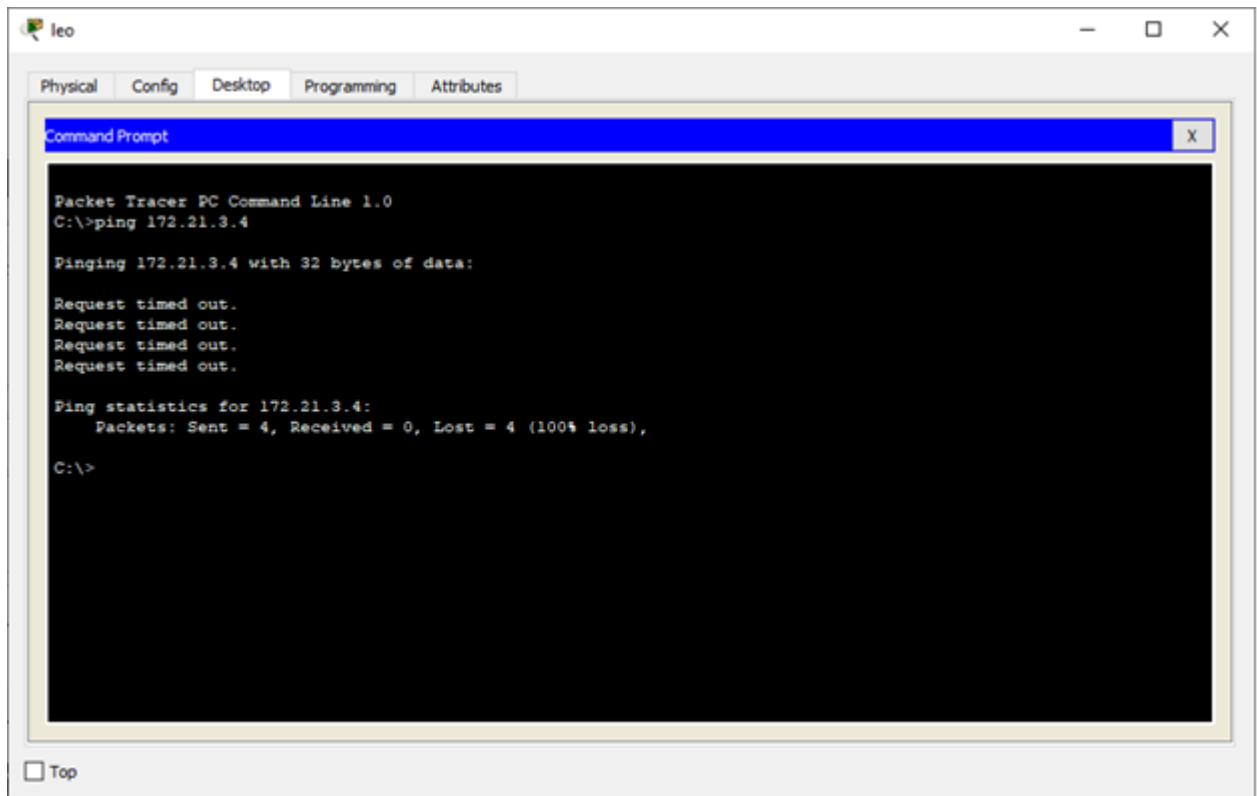
☐ Top

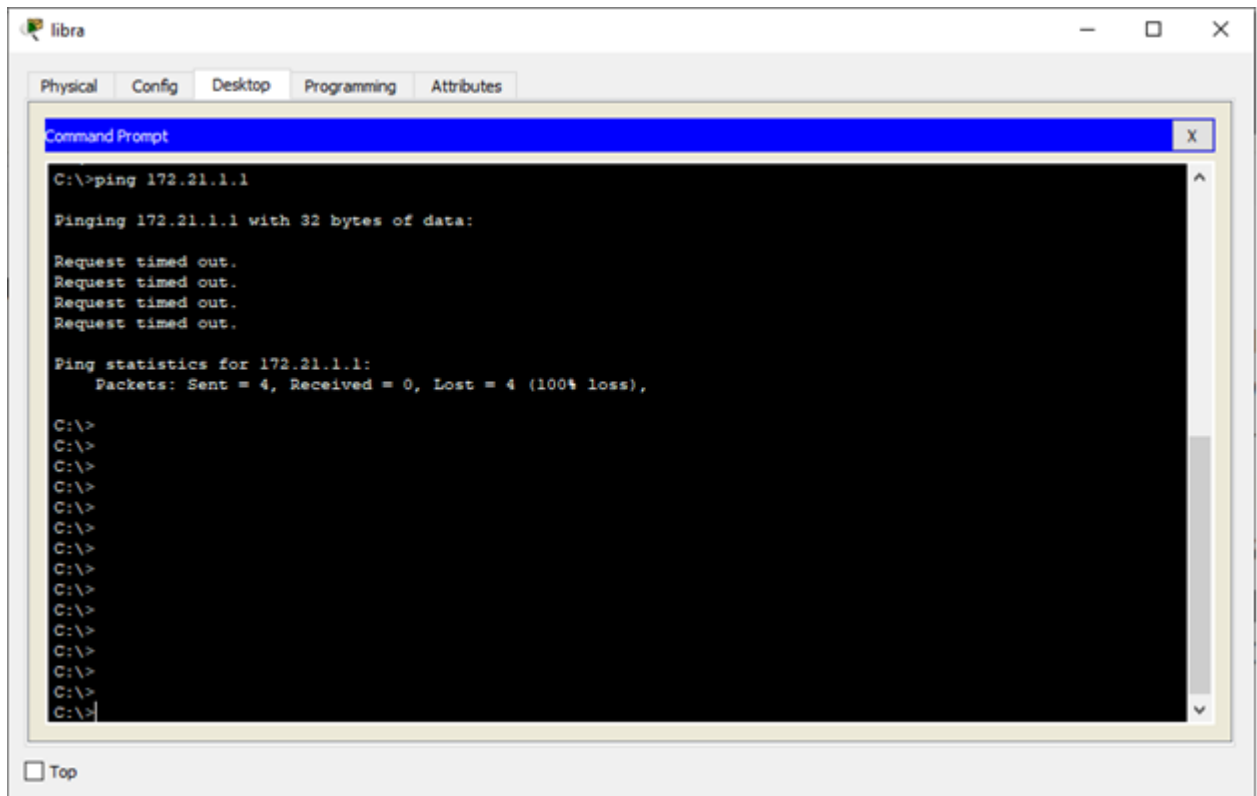
## TUGAS 10A

Hasilnya sudah di Trunking tapi belum ada VLAN yang ditambahkan dalam konfigurasi di SW2.









### TUGAS 12A

Hasilnya tetap saja RTO karena walaupun sudah di-Trunking kemudian menyambungkan sesama VLAN ID tapi kalau networknya berbeda tidak bisa terhubung. Jika Pisces menggunakan Address yang satu network dengan Leo pasti bisa terkoneksi satu sama lain.