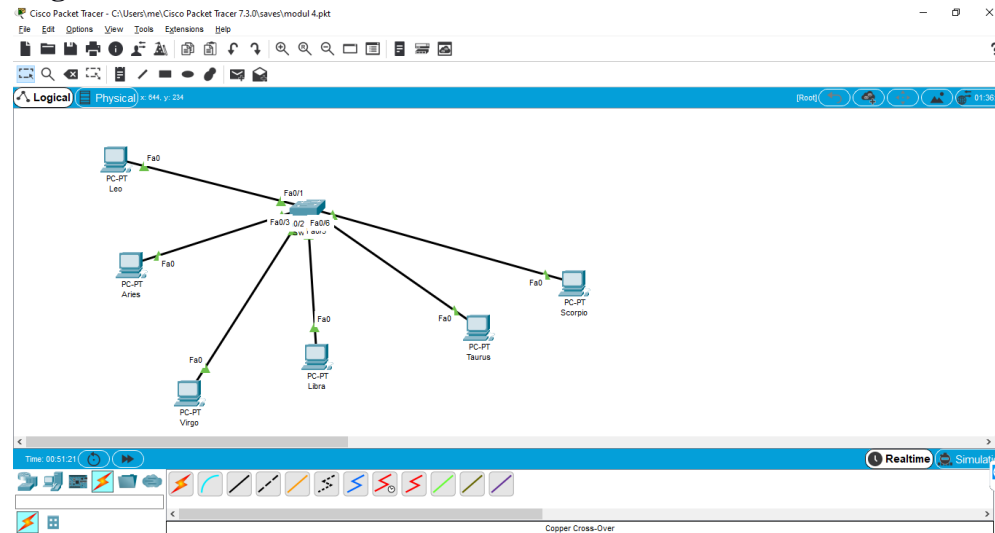


NAMA : Naufal Randi Aldiansyah

NIM : L200180142

KELAS: D

Kegiatan 1



SW0 :

```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface

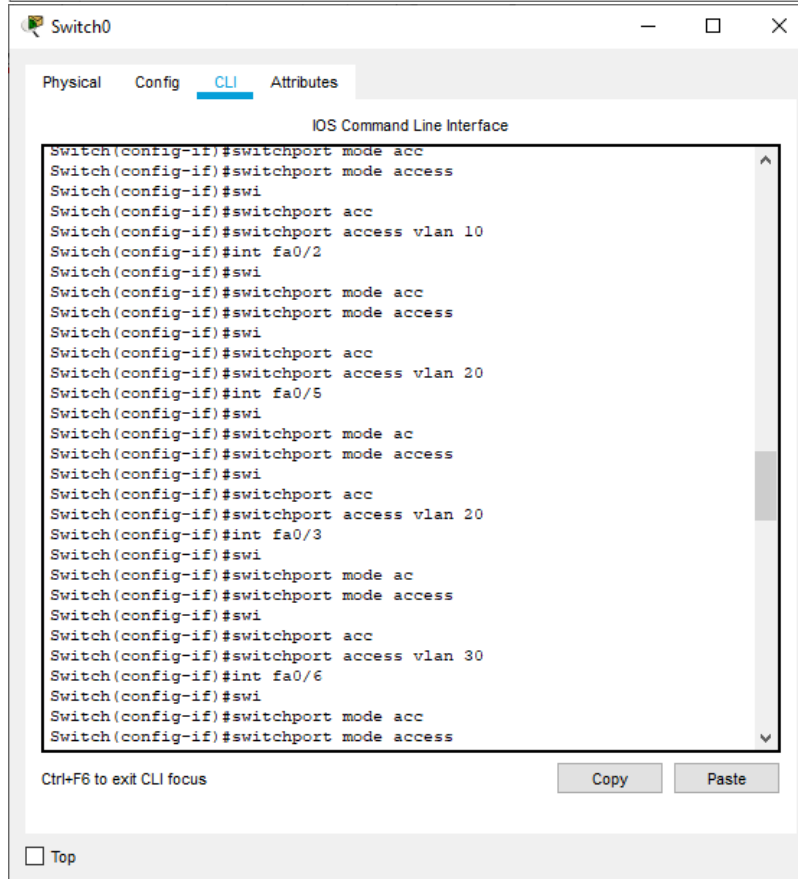
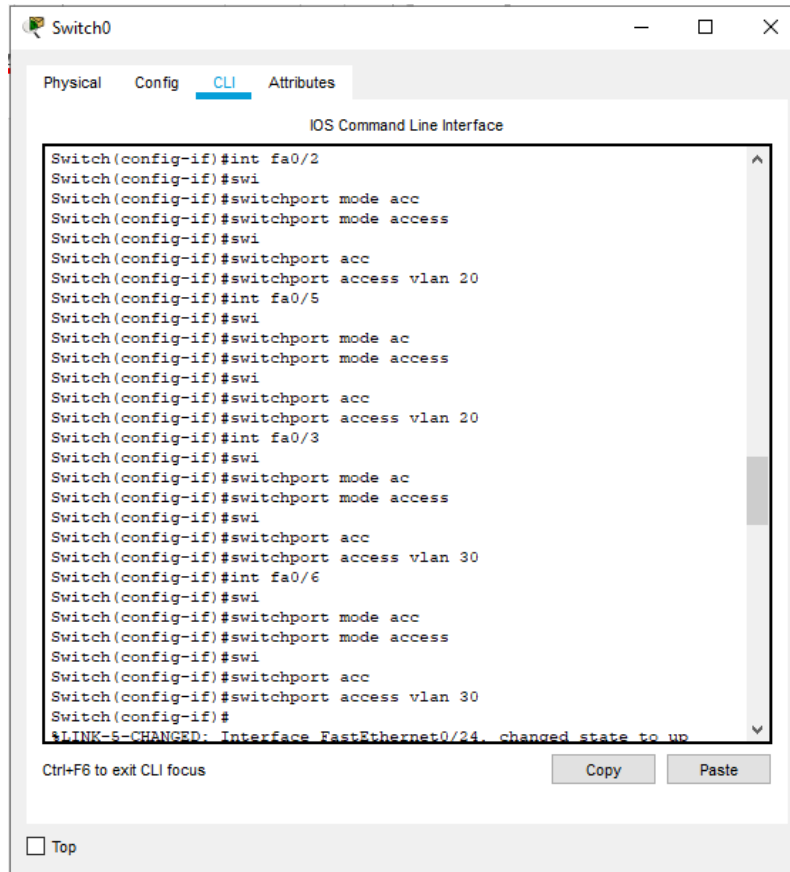
Switch>en
Switch#vlan database
% Warning: It is recommended to configure VLAN from config mode,
as VLAN database mode is being deprecated. Please consult user
documentation for configuring VTP/VLAN in config mode.

Switch(vlan)#vlan 10 name zodiak1
VLAN 10 added:
  Name: zodiak1
Switch(vlan)#vlan 20 name zodiak2
VLAN 20 added:
  Name: zodiak2
Switch(vlan)#vlan 30 name zodiak3
VLAN 30 added:
  Name: zodiak3
Switch(vlan)#ex
APPLY completed.
Exiting...
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/1
Switch(config-if)#switc
Switch(config-if)#switchport mode access
Switch(config-if)#switc
Switch(config-if)#switchport acc
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/4
Switch(config-if)#swi
Switch(config-if)#switchport mode acc
```

Ctrl+F6 to exit CLI focus

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SW0 (Show VLAN)

Switch0

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
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0
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	Trans1	Trans2
Remote	SPAN	VLANs							

Primary	Secondary	Type	Ports

```

Switch#show vlan 10

```

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Tugas 6A

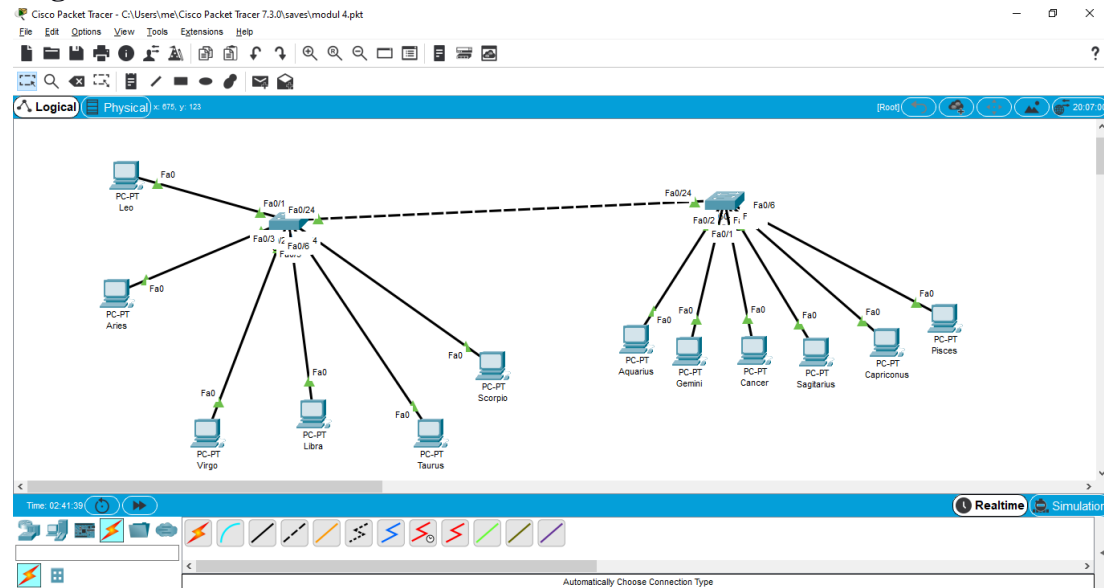
No	Variabel	Nilai
1.	Nomor VLAN	10
2.	Nama VLAN	zodiak1
3.	Port	Fa0/1, Fa0/4
4.	Status	active

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

Hasil dari 6A yaitu 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



SW2

Switch2

Physical Config CLI Attributes

IOS Command Line Interface

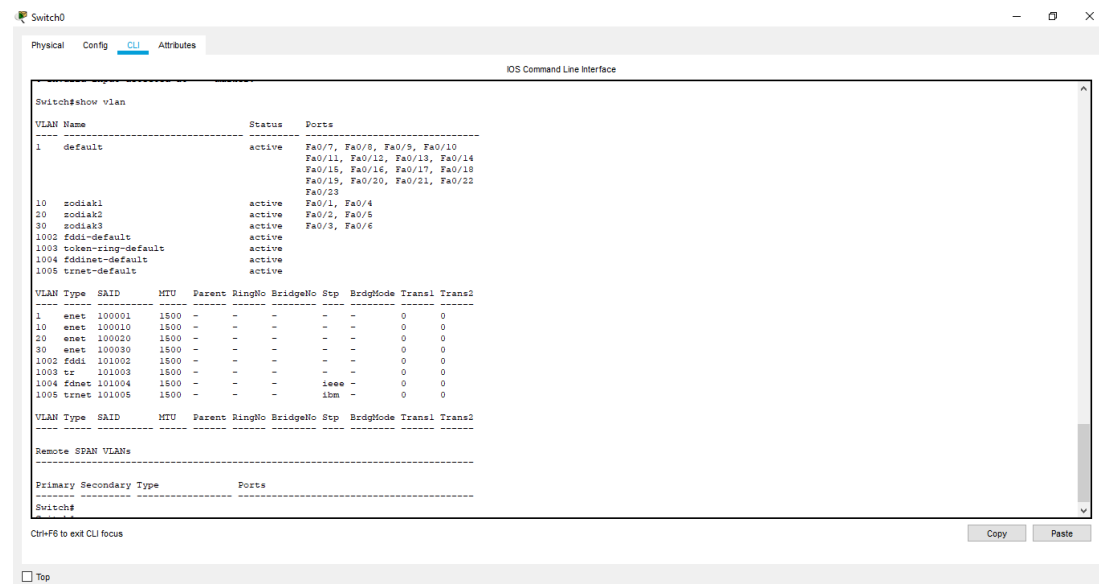
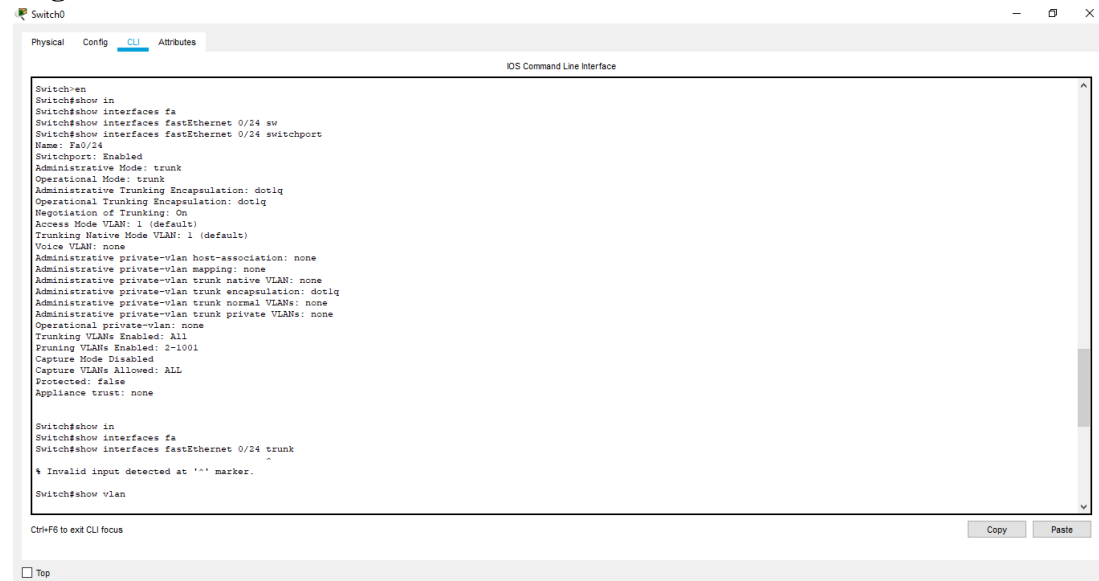
```
Documentation for configuring vlan/vlan in config mode.
Switch(vlan)#vlan 10 name zodiak1
VLAN 10 added:
  Name: zodiak1
Switch(vlan)#vlan 20 name zodiak2
VLAN 20 added:
  Name: zodiak2
Switch(vlan)#vlan 30 name zodiak3
VLAN 30 added:
  Name: zodiak3
Switch(vlan)#ex
APPLY completed.
Exiting...
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#int fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa0/24
Switch(config-if)#switchport mode trunk
Switch(config-if)#ex
Switch#
```

Ctrl+F8 to exit CLI focus

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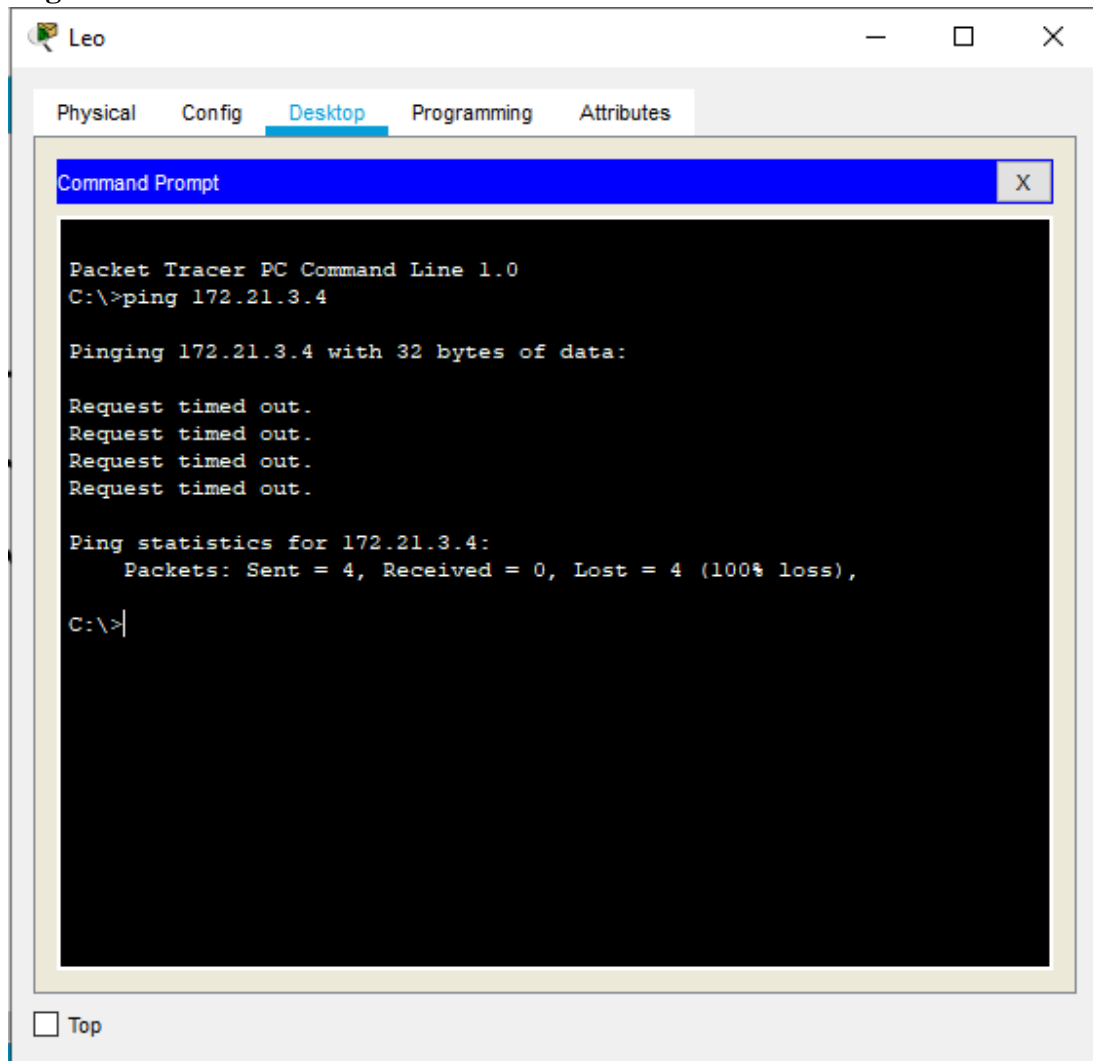
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Tugas 7A



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.
SW2

Tugas 10A

Switch3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>en
Switch>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/24
Switch(config-if)#switchport mode trunk
Switch(config-if)#ex
Switch(config)#ex
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan

VLAN Name                Status    Ports
-----
1    default                active    Fa0/1, Fa0/2, Fa0/3, Fa0/4
                                           Fa0/5, Fa0/6, 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

1002 fddi-default        active
1003 token-ring-default  active
1004 fddinet-default     active
1005 tnet-default       active

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp  BrgdMode Transl Trans2
-----
1    enet    100001    1500   -     -     -     -     -     0      0
1002 fddi    101002    1500   -     -     -     -     -     0      0
1003 tr    101003    1500   -     -     -     -     -     0      0
1004 fnet  101004    1500   -     -     -     -     -     0      0
1005 tnet  101005    1500   -     -     -     -     -     0      0

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp  BrgdMode Transl Trans2
-----
Remote SPAN VLANs
-----
```

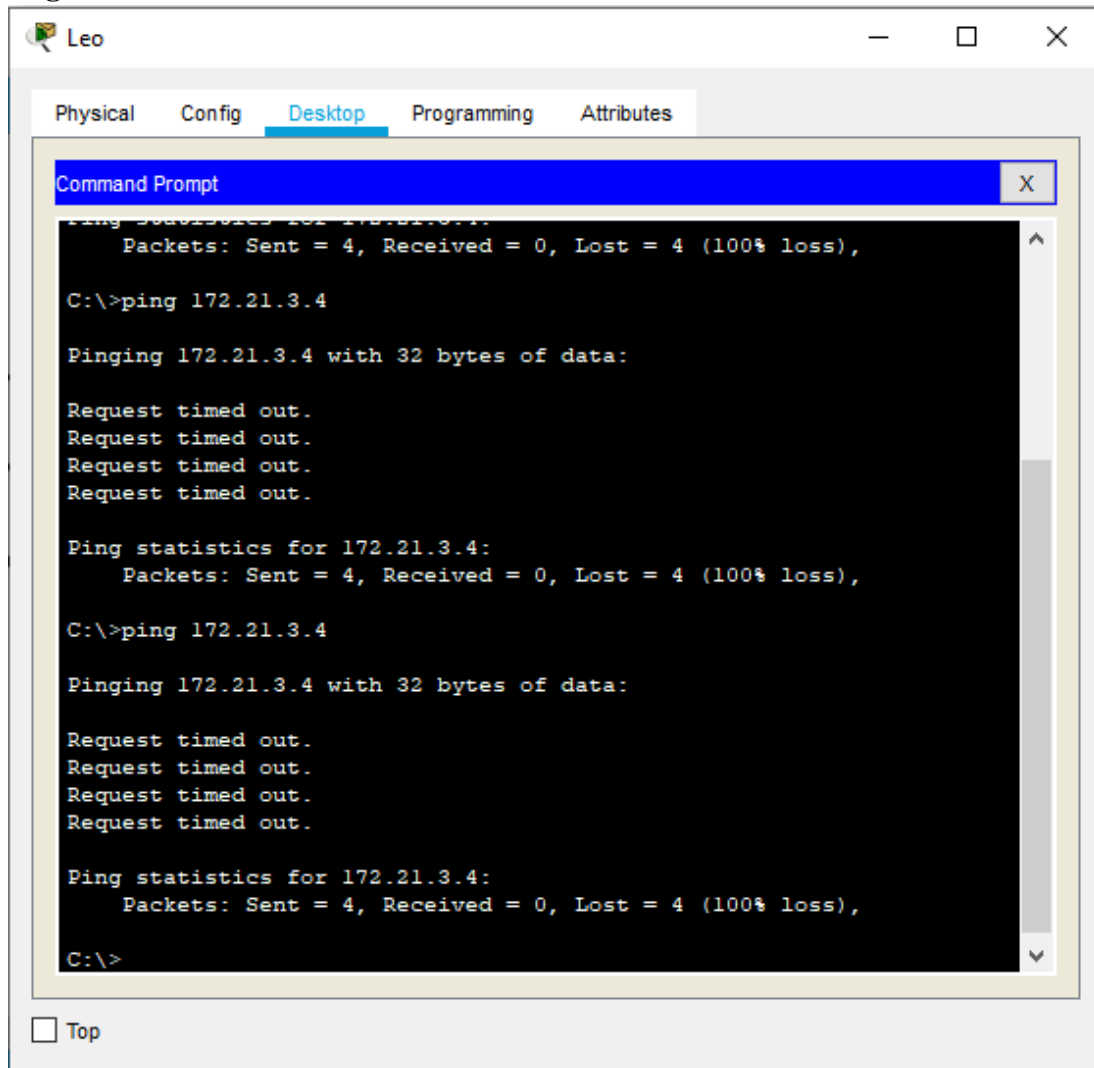
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Hasilnya sudah di Trunking tapi belum ada VLAN yang ditambahkan dalam konfigurasi di SW2.

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.