

Nama : Auzan Damar Kusuma
NIM : L200180005
Kelas : A

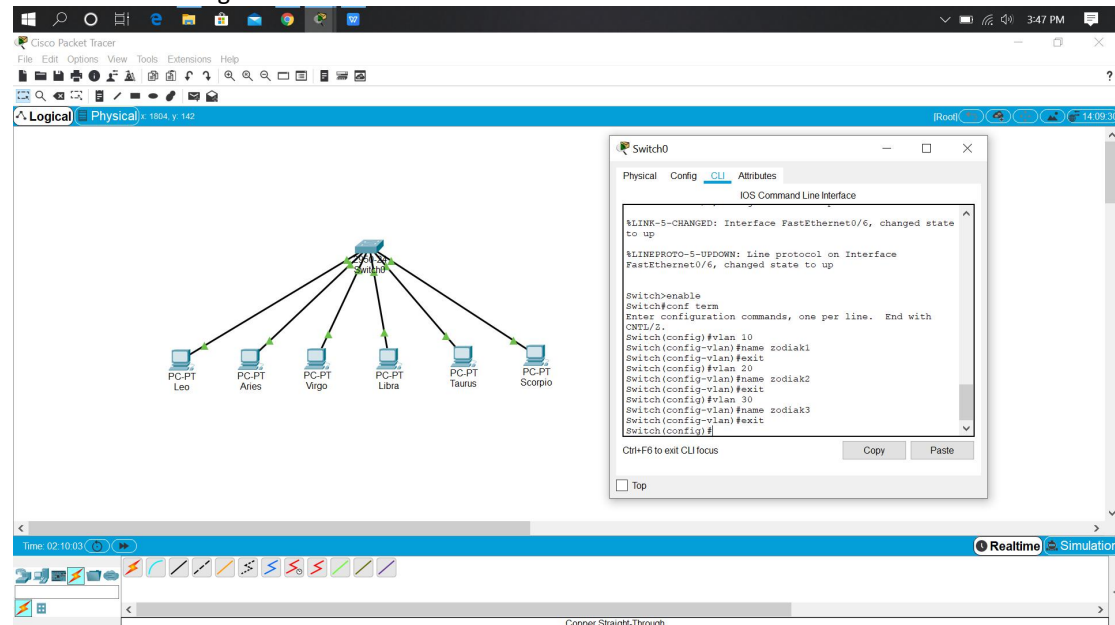
MODUL 4

1. Kegiatan 1. Topologi 1

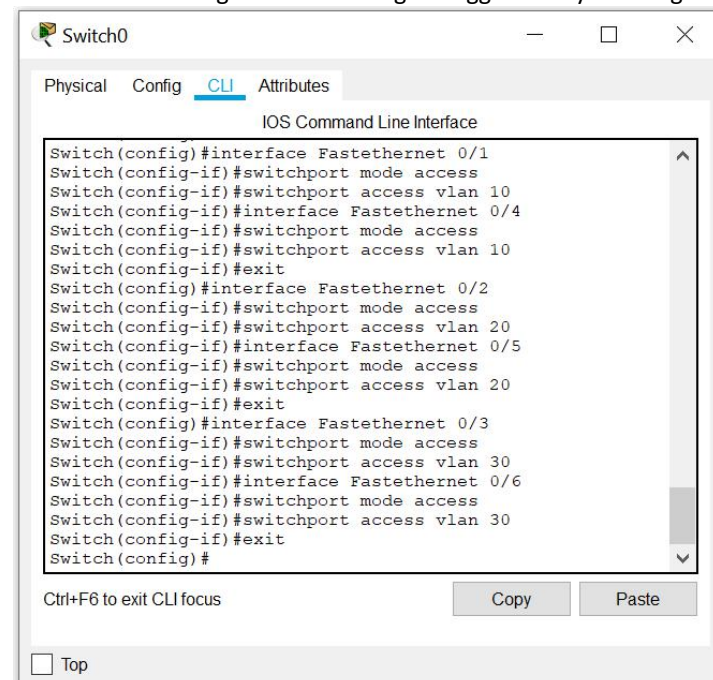
Konfigurasi PC

1. Leo = 127.21.1.1/24
2. Aries = 127.21.1.2/24
3. Virgo = 172.21.1.3/24
4. Libra = 172.21.1.4/24
5. Taurus = 172.21.1.5/24
6. Scorpio = 172.21.1.6/24

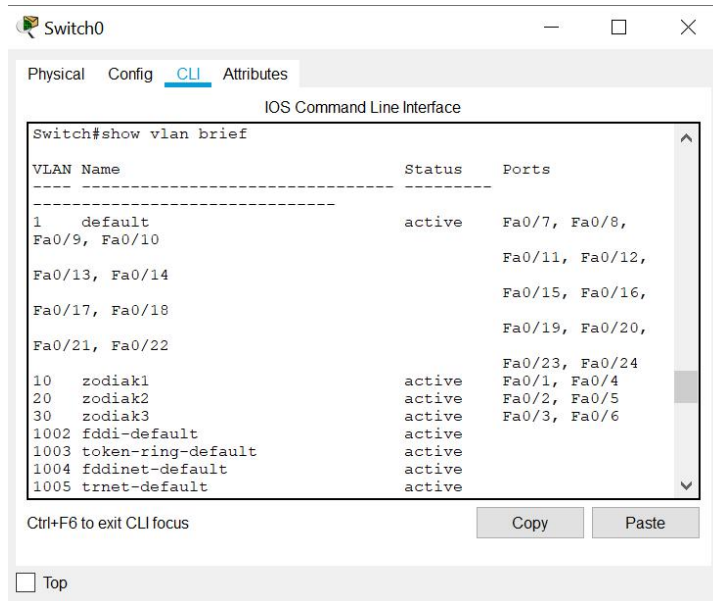
Gambar Konfigurasi PC dan Switch



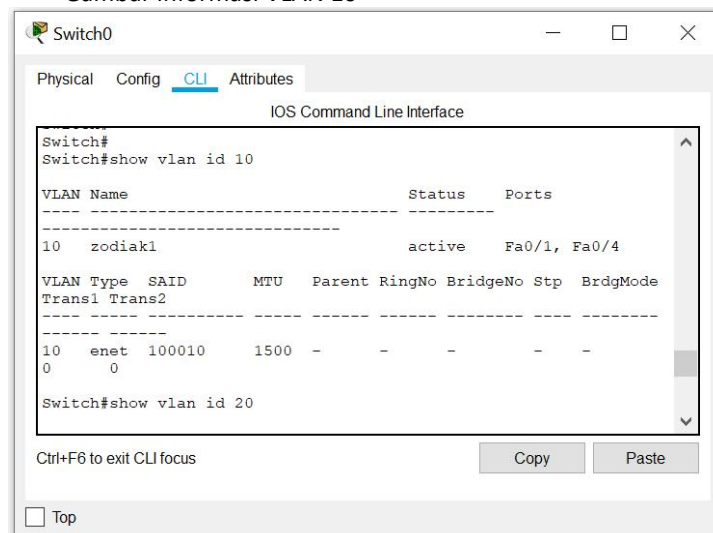
Gambar konfigurasi VLAN dengan anggota PCnya masing - masing



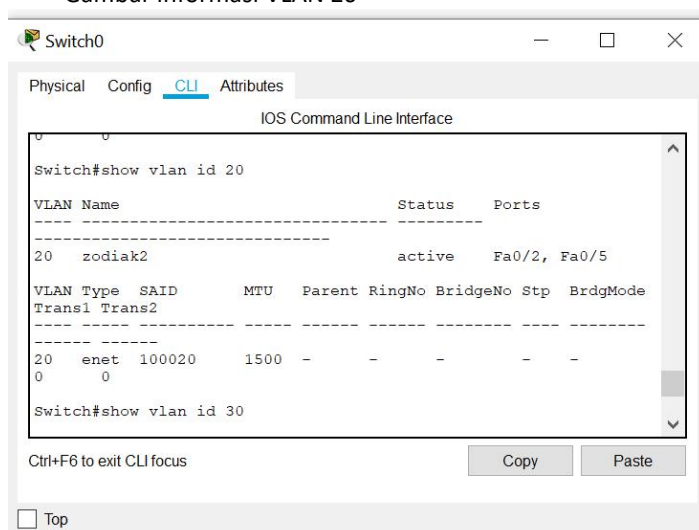
Gambar dari informasi VLAN



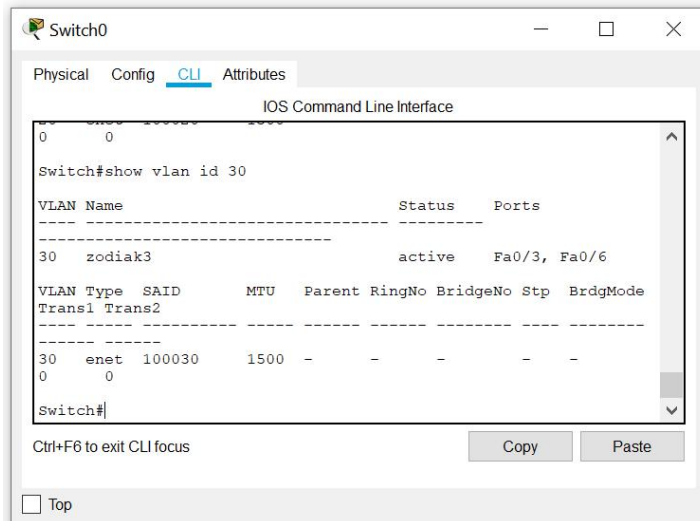
Gambar informasi VLAN 10



Gambar informasi VLAN 20



Gambar informasi VLAN 30



TUGAS 6A

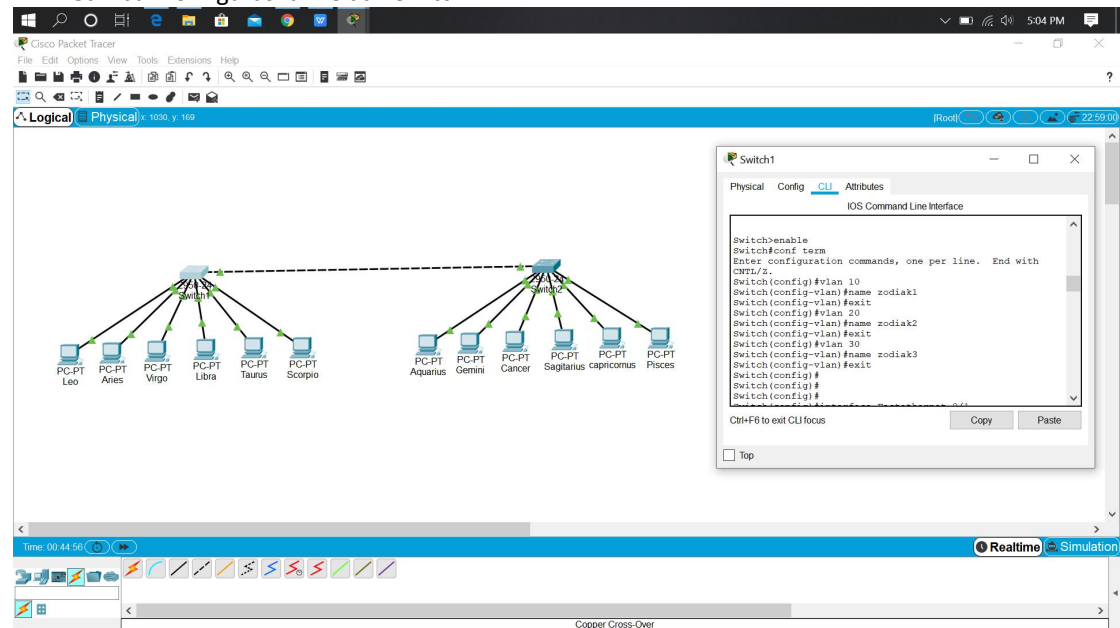
No	Variable	Nilai		
1	Nomor VLAN	10	20	30
2	Nama VLAN	Zodiak1	Zodiak2	Zodiak3
3	Port	Fa 0/1, fa 0/4	Fa 0/2, fa 0/5	Fa 0/3, fa 0/6
4	Status	Active	Active	Active

TUGAS 6B

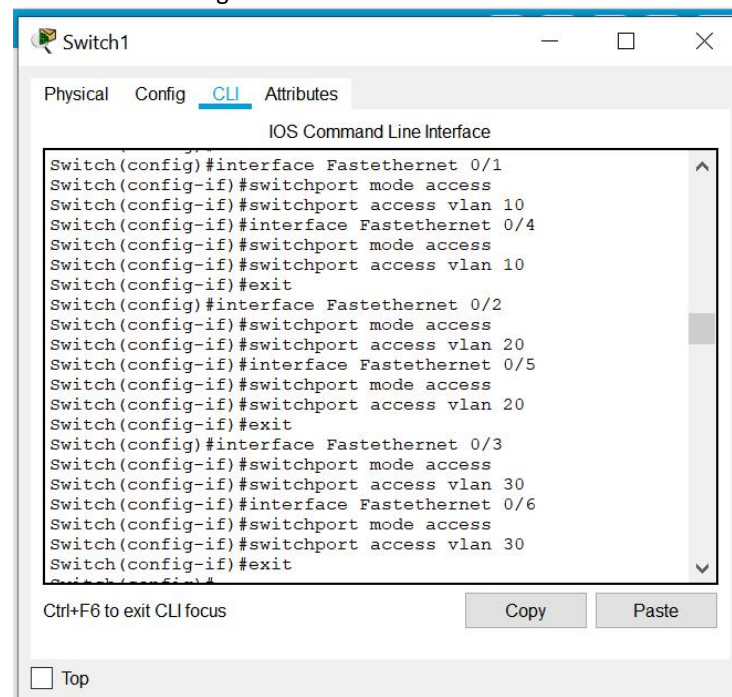
- Nomor VLAN 10 dengan nama VLAN zodiak1 memiliki port fa 0/1 dan fa 0/4 VLANnya active
- Nomor VLAN 20 dengan nama VLAN zodiak2 memiliki port fa 0/2 dan fa 0/5 VLANnya active
- Nomor VLAN 30 dengan nama VLAN zodiak3 memiliki port fa 0/3 dan fa 0/6 VLANnya active

2. Kegiatan 2. Topologi 2

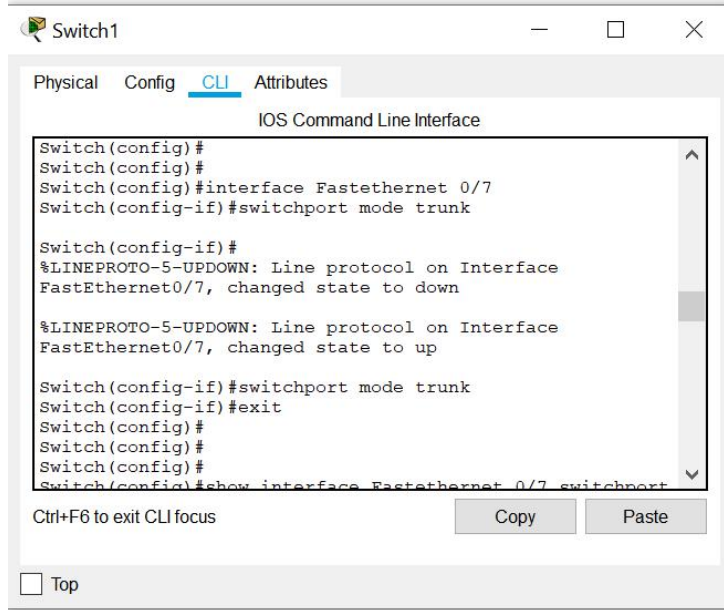
Gambar konfigurasi di PC dan Switch



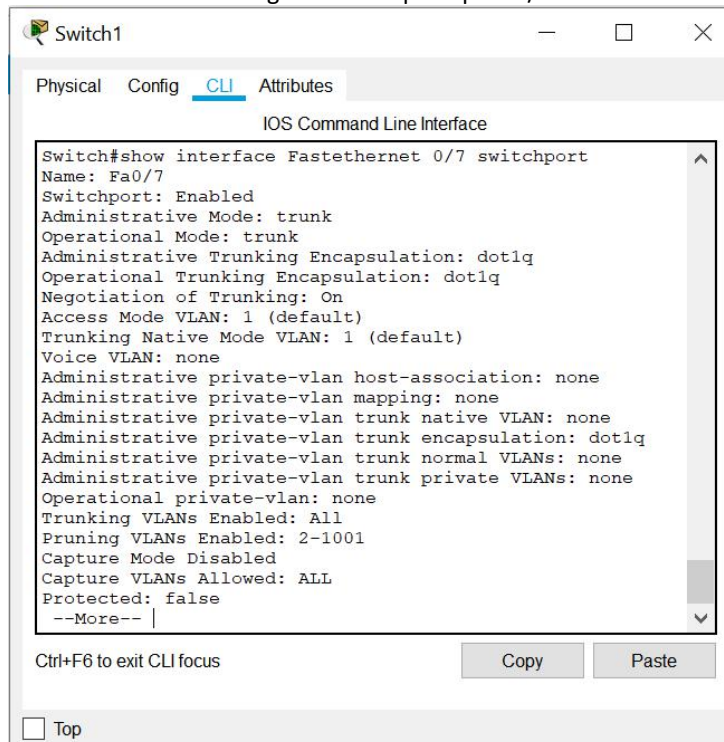
Gambar konfigurasi VLAN Switch 1



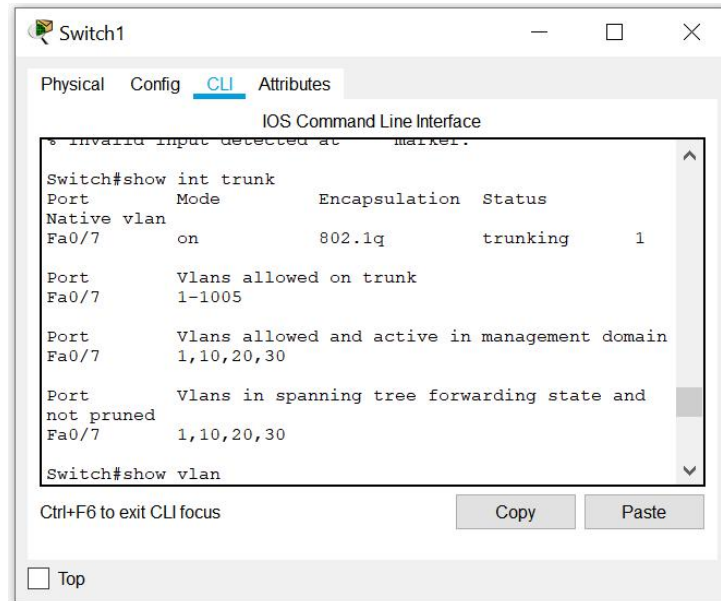
Trunking



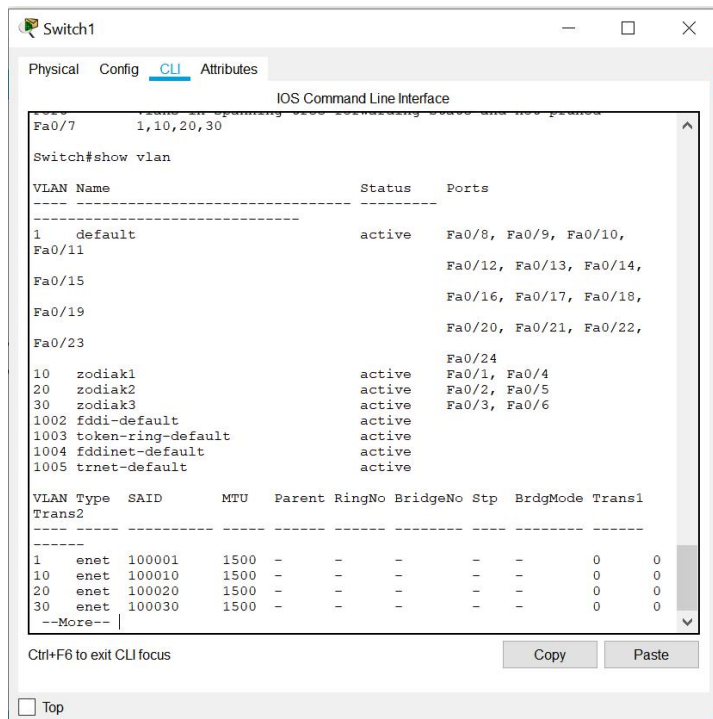
Gambar hasil konfigurasi trunk pada port 0/7



Gambar Show int trunk



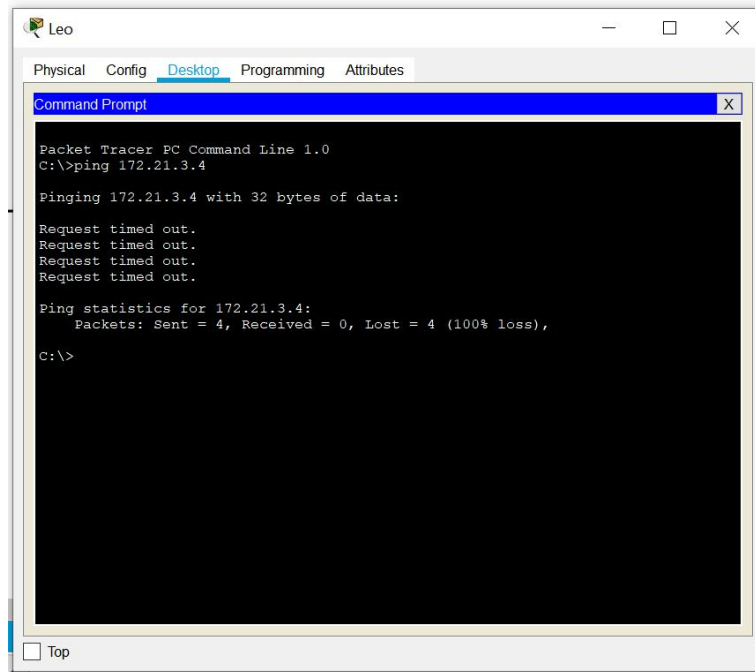
Gambar Show int VLAN



TUGAS 7A

Untuk port 0/7 pada switch 1 telah di setting untuk trunk dan berhasil sehingga port 0/7 tidak tersedia untuk VLAN

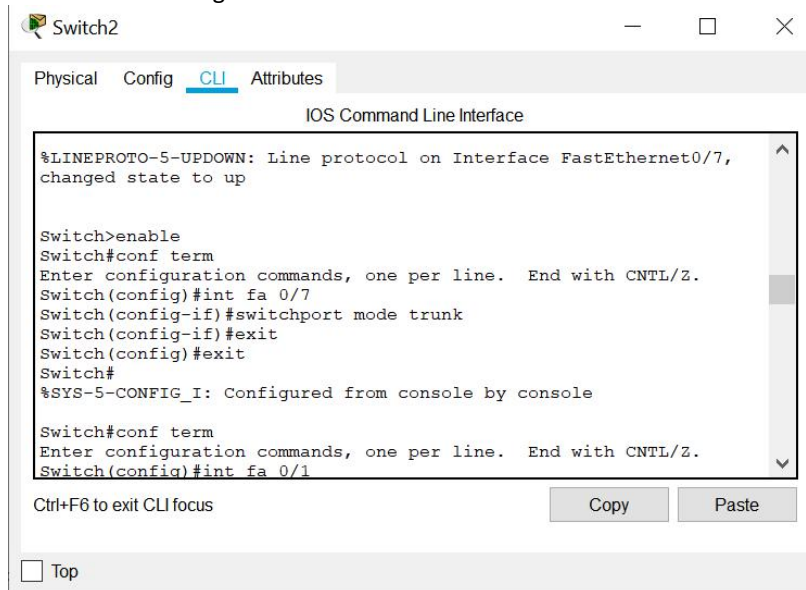
Gambar ping dari pc leo ke pc pisces



TUGAS 8A

Hasilnya adalah RTO karena berada pada jaringan yang berbeda dan pada Switch2 belum disetting trunk

Gambar Konfigurasi di Switch2



Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa 0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switch access vlan 10
^
% Invalid input detected at '^' marker.
Switch(config-if)#switch access vlan 10
^
% Access VLAN does not exist. Creating vlan 10
Switch(config-if)#switch access vlan 10
^
% Invalid input detected at '^' marker.
Switch(config-if)#switch vlan 10
^
% Invalid input detected at '^' marker.
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#int fa 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
^
% Access VLAN does not exist. Creating vlan 20
Switch(config-if)#int fa 0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa 0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
^
% Access VLAN does not exist. Creating vlan 30
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa 0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#exit
Switch#
S2S-S-CONFIG_I: Configured from console by console
```

Ctrl+F6 to exit CLI focus

Copy Paste

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Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
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
Appliance trust: none

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  VLAN0010              active    Fa0/1, Fa0/2
20  VLAN0020              active    Fa0/3, Fa0/4
30  VLAN0030              active    Fa0/5, 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
--More--
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

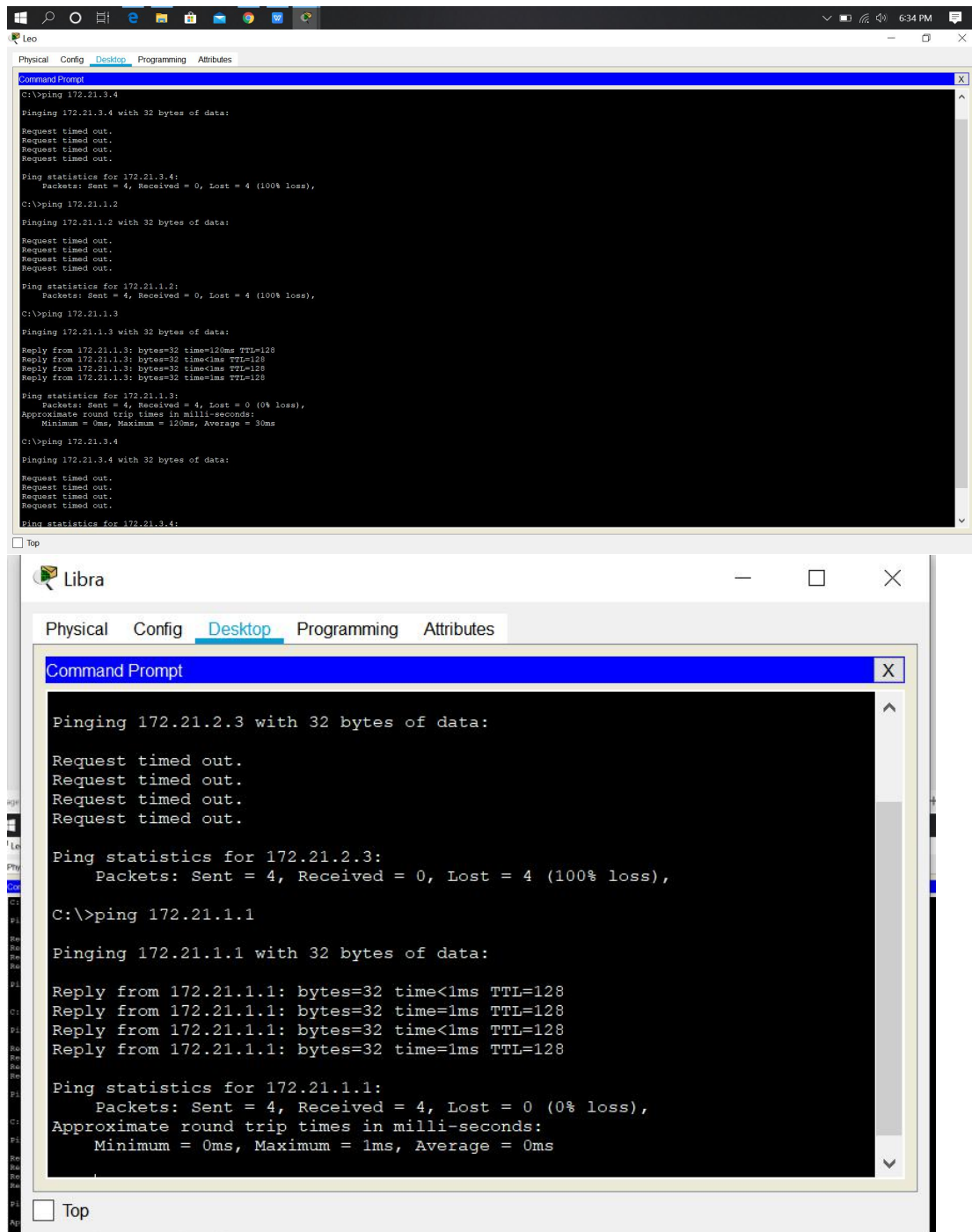
TUGAS 10A

Jelaskan secara singkat hasil yang anda peroleh dari langkah 10.

Jawaban:

Hasil yang diperoleh berupa informasi mengenai konfigurasi VLAN Trunking pada Switch 2

Melakukan Ping



TUGAS 12A

Dari hasil yang diperoleh bahwa akan mendapatkan hasil reply apabila pc berada pada jaringan dari VLAN yang sama. Sedangkan apabila hanya sama dari salah satu VLAN atau jaringan maka hasilnya juga akan RTO