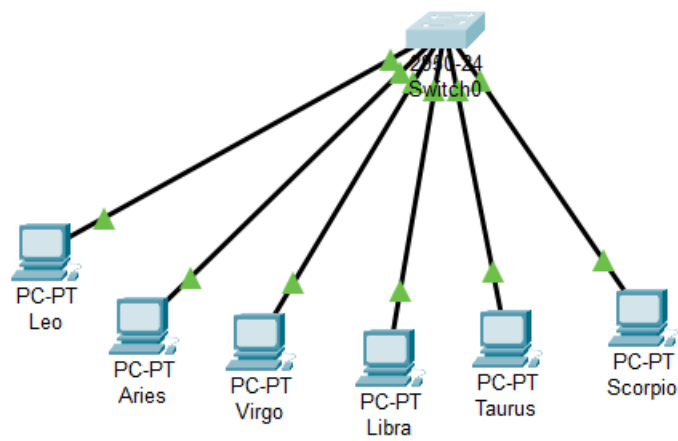


**Nama : Firdaus Aulia Faza**

**NIM : L200180042**

**Kelas : B**

### **1. Topologi 1**



## 1.VLAN 10

No	Variable	Nilai
1	Nomor Vlan	10
2	Nama Vlan	Zodiak1
3	Port	Fa0/1, Fa0/4
4	Status	Active

```
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#
```

Ctrl+F6 to exit CLI focus

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## 2. Vlan 20

No	Variable	Nilai
1	Nomor Vlan	20
2	Nama Vlan	Zodiak2
3	Port	Fa0/2, Fa0/5
4	Status	Active

```
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#
```

### 3. Vlan 30

No	Variable	Nilai
1	Nomor Vlan	30
2	Nama Vlan	Zodiak3
3	Port	Fa0/3, Fa0/6
4	Status	Active

```
VLAN Name                Status    Ports
-----
30    zodiak3              active    Fa0/3, Fa0/6

VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp    BrdgMode
Transl Trans2
-----
30    enet    100030      1500   -       -       -       -       -
0      0

Switch#
```

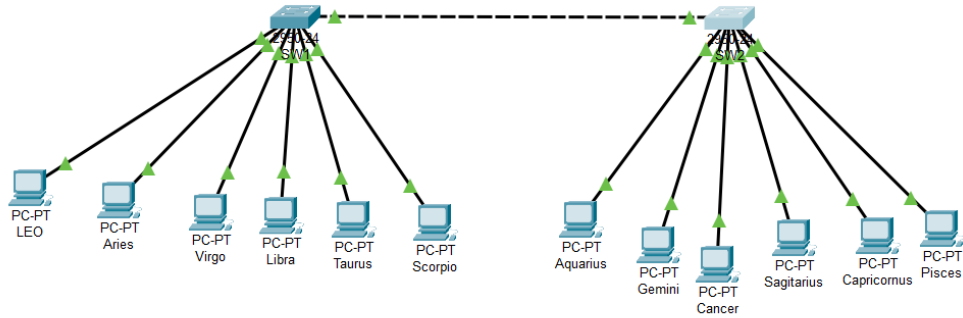
Ctrl+F6 to exit CLI focus

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Tugas 6B “Jelaskan secara singkat hasil yang anda peroleh dari tugas 6A”

1. Telah membuat Vlan 10 bernama “zodiak1” mempunyai port Fa0/1, Fa0/4 berstatus aktif
2. Telah membuat Vlan 20 bernama “zodiak2” mempunyai port Fa0/2, Fa0/5 berstatus aktif
3. Telah membuat Vlan 10 bernama “zodiak3” mempunyai port Fa0/3, Fa0/6 berstatus aktif

## 2. Topologi 2



Vlan yang ada di switch 1:

SW1

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch#
Switch#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, 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
Transl	Trans2						

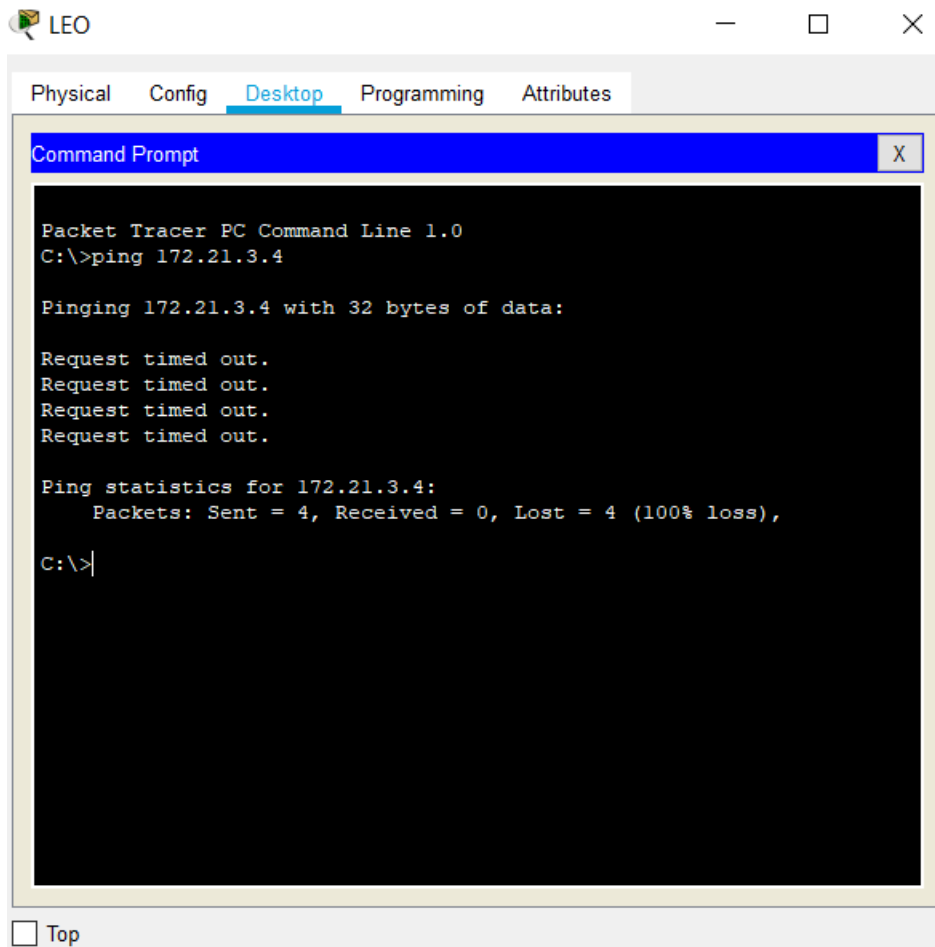
Ctrl+F6 to exit CLI focus

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☐ Top

**Tugas 7A : Jelaskan Secara singkat apa yang anda peroleh dilangkah 7?**

Ping dari pc leo ke pisces



```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.3.4

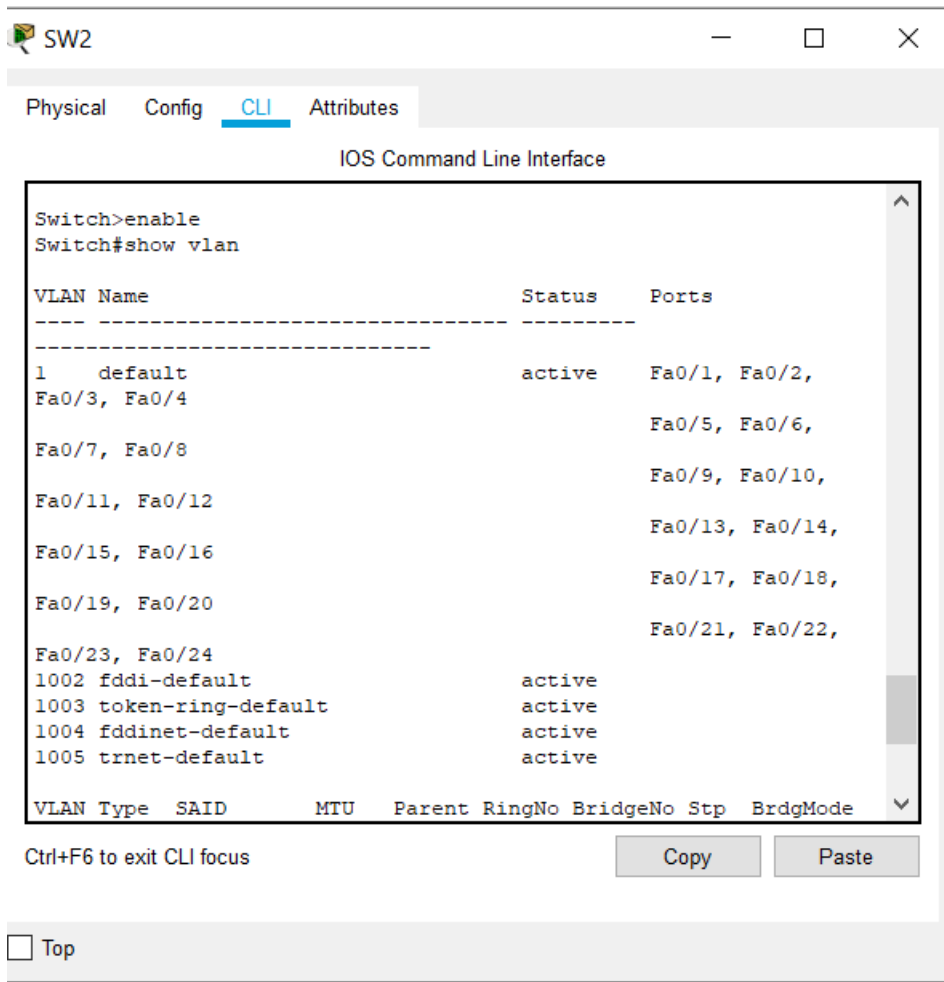
Pinging 172.21.3.4 with 32 bytes of data:

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:\>
```

Hasil ping dari PC leo ke PC pisces “Request timed out” karena PC leo dan PC pisces tidak berada dalam satu VLAN dan memiliki network access yang berbeda

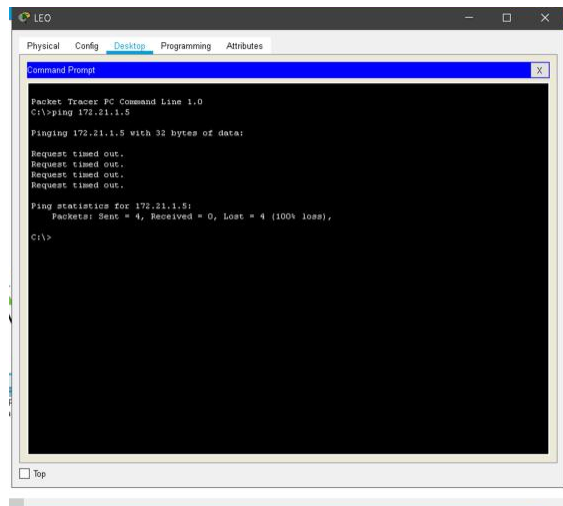
**Tugas 8A : Jelaskan secara singkat mengapa hasil yang anda peroleh dari langkah 8 mendapat status “Reply”?**



Pada langkah ini port fastethernet belum terkonfigurasi ke dalam VLAN, bahkan VLAN nya belum dibuat

## Tugas 10A : Jelaskan secara singkat hasil yang anda peroleh dari langkah 10

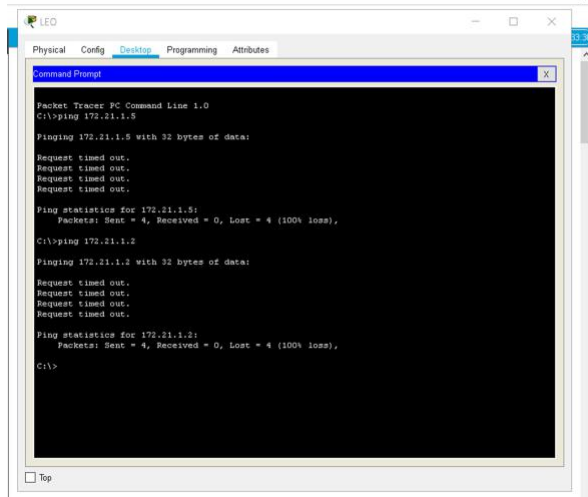
1.Melakukan ping dari PC leo ke PC pisces



Hasil ping merupakan RTO (request time out) karena PC leo dan PC pisces tidak berada di dalam satu vlan dan memiliki network access yang berbeda



Melakukan ping dari PC leo ke PC aries



```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.5

Pinging 172.21.1.5 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.5:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.21.1.2

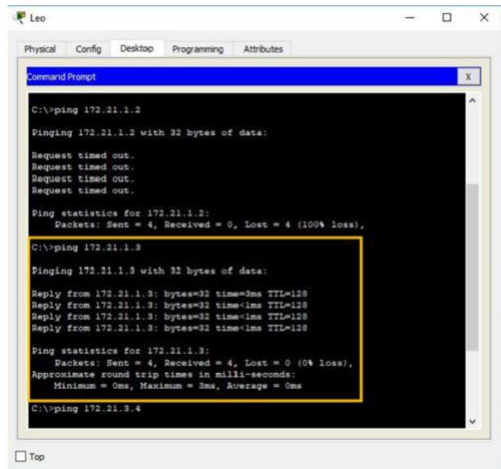
Pinging 172.21.1.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

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

C:\>
```

Hasil ping dari PC leo ke PC aries “Request timed out” karena PC leo dan PC aries tidak berada dalam satu VLAN meskipun memiliki network access yang sama

Melakukan ping terhadap PC leo ke PC aquarius



```
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 = 3ms, Average = 0ms

C:\>ping 172.21.3.4
```

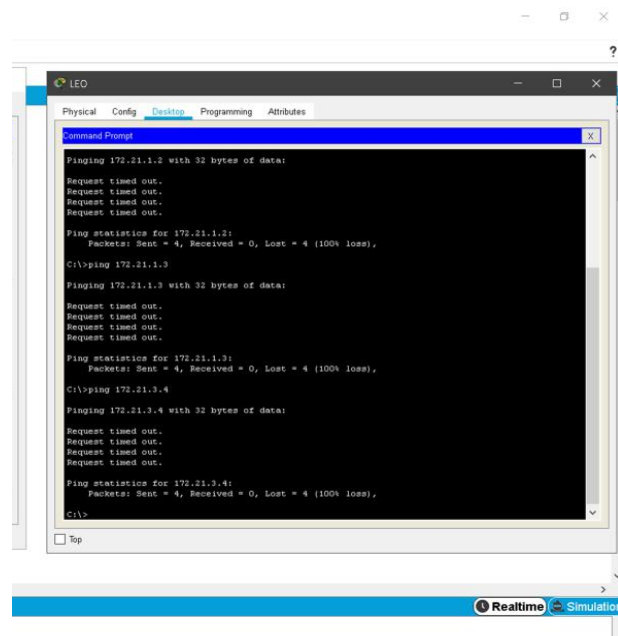
Hasil ping dari PC leo ke PC aquarius “Reply”

karena PC leo dan PC aquarius berada

dalam satu VLAN dan memiliki network access

yang sama.

melakukan ping terhadap PC leo ke PC pisces



```
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:

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

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.21.3.4

Pinging 172.21.3.4 with 32 bytes of data:

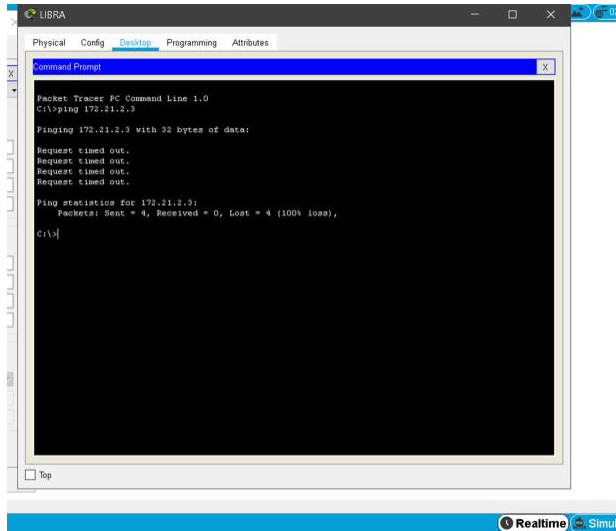
Request timed out.
Request timed out.
Request timed out.
Request timed out.

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

C:\>
```

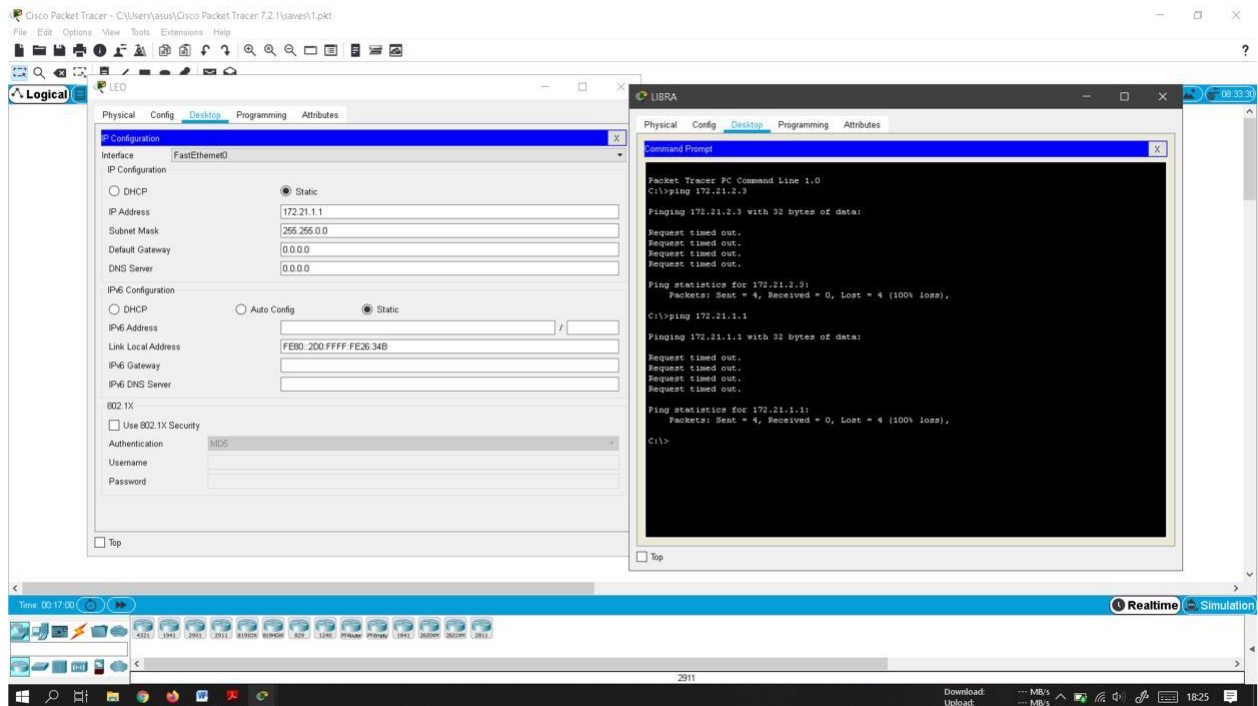
Hasil ping dari PC leo ke PC pisces “Request timed out” karena PC leo dan PC pisces tidak berada dalam satu VLAN dan memiliki network access yang berbeda.

Melakukan ping terhadap PC Libra ke PC cancer



Hasil ping dari PC libra ke PC cancer “Request timed out” karena PC libra dan PC cancer tidak berada dalam satu VLAN meskipun memiliki network access yang sama.

Melakukan ping terhadap PC libra ke PC leo



Hasil ping dari PC libra ke PC leo "Request timed out" karena PC libra dan PC leo tidak berada dalam satu VLAN meskipun memiliki network access yang sama.

