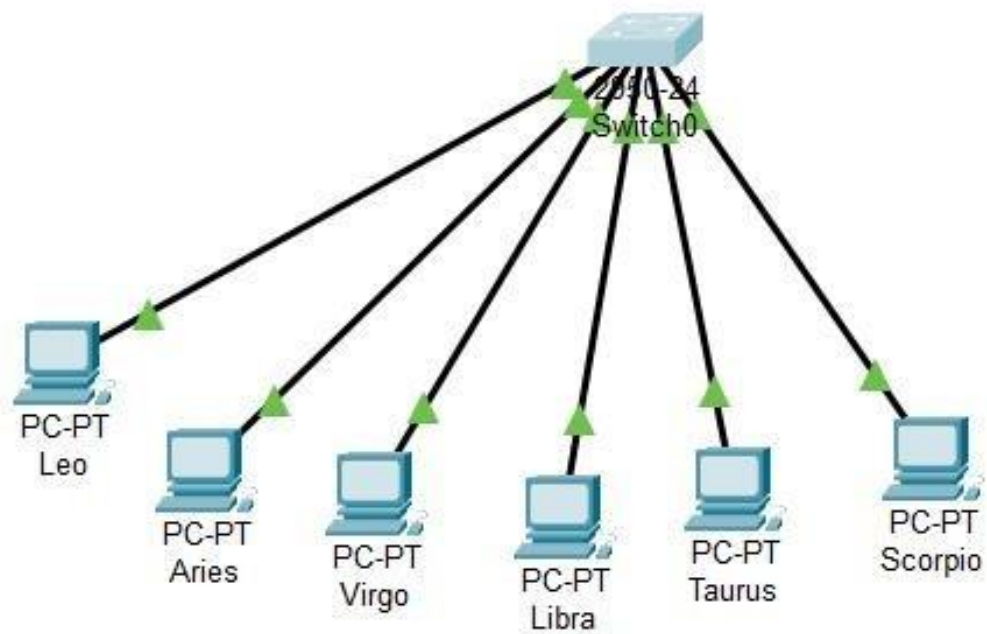


Nama : Krisna Alif Meilana

NIM : L200180028

Kelas : A

## 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
Trans1  Trans2
-----
30    enet    100030      1500   -     -     -     -     -
0      0

Switch#
```

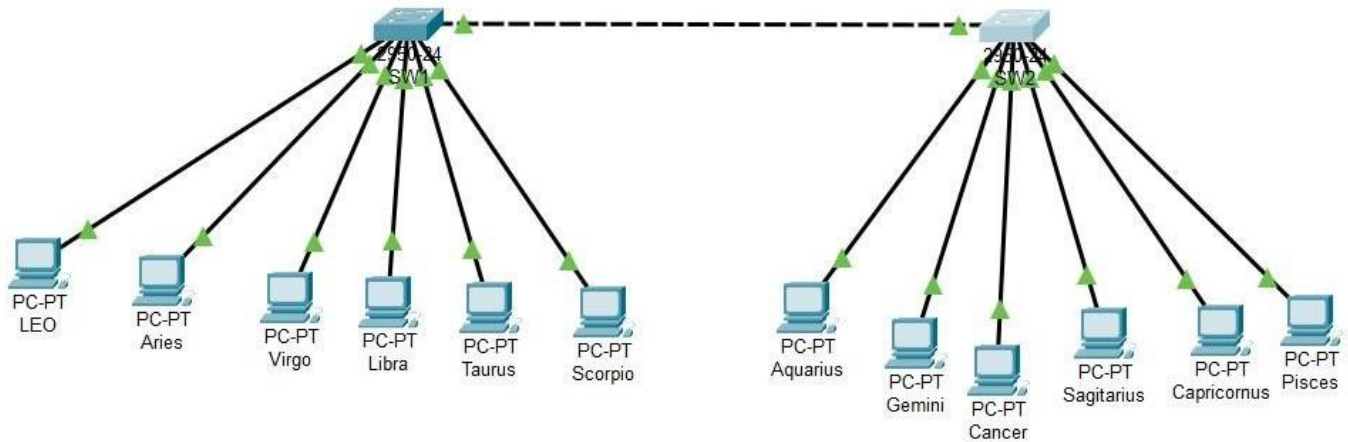
Ctrl+F6 to exit CLI focus

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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, Fa0/11, 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 Transl Trans2

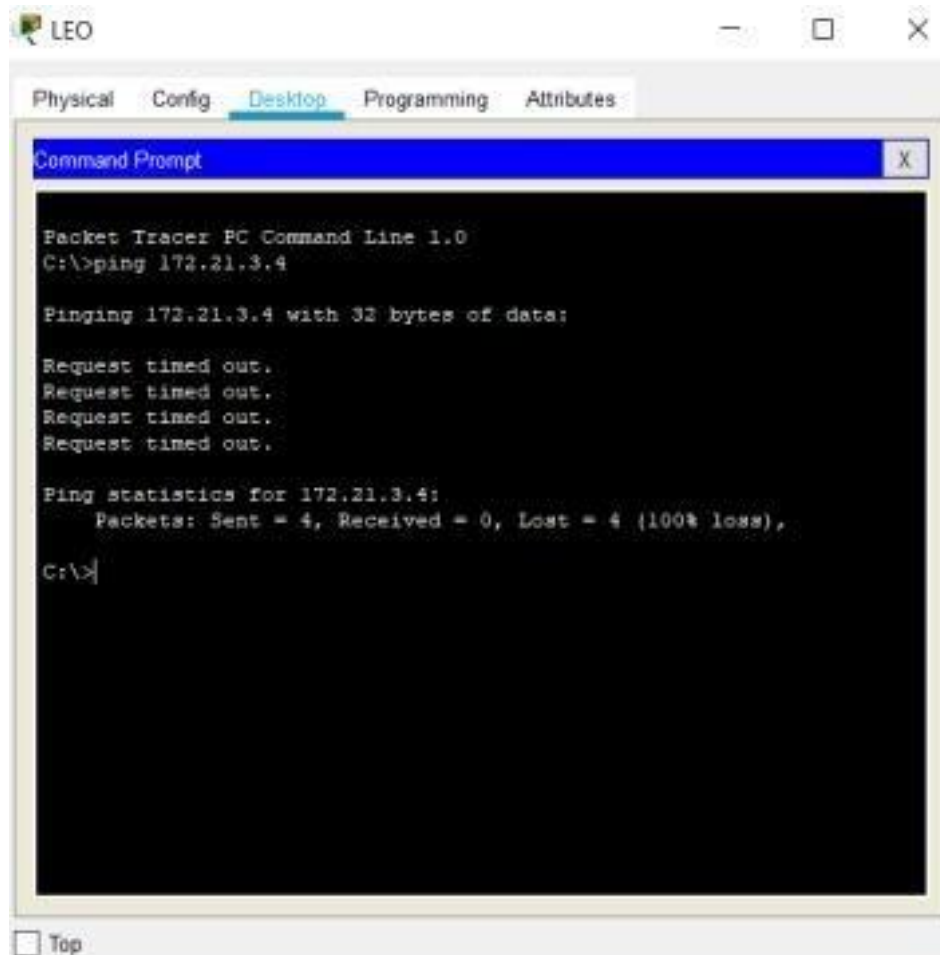
Ctrl+F6 to exit CLI focus

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## Tugas 7A : Jelaskan Secara singkat apa yang anda peroleh di Langkah 7?

Ping dari PC Leo ke Pisces



```
LEO
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.3.4

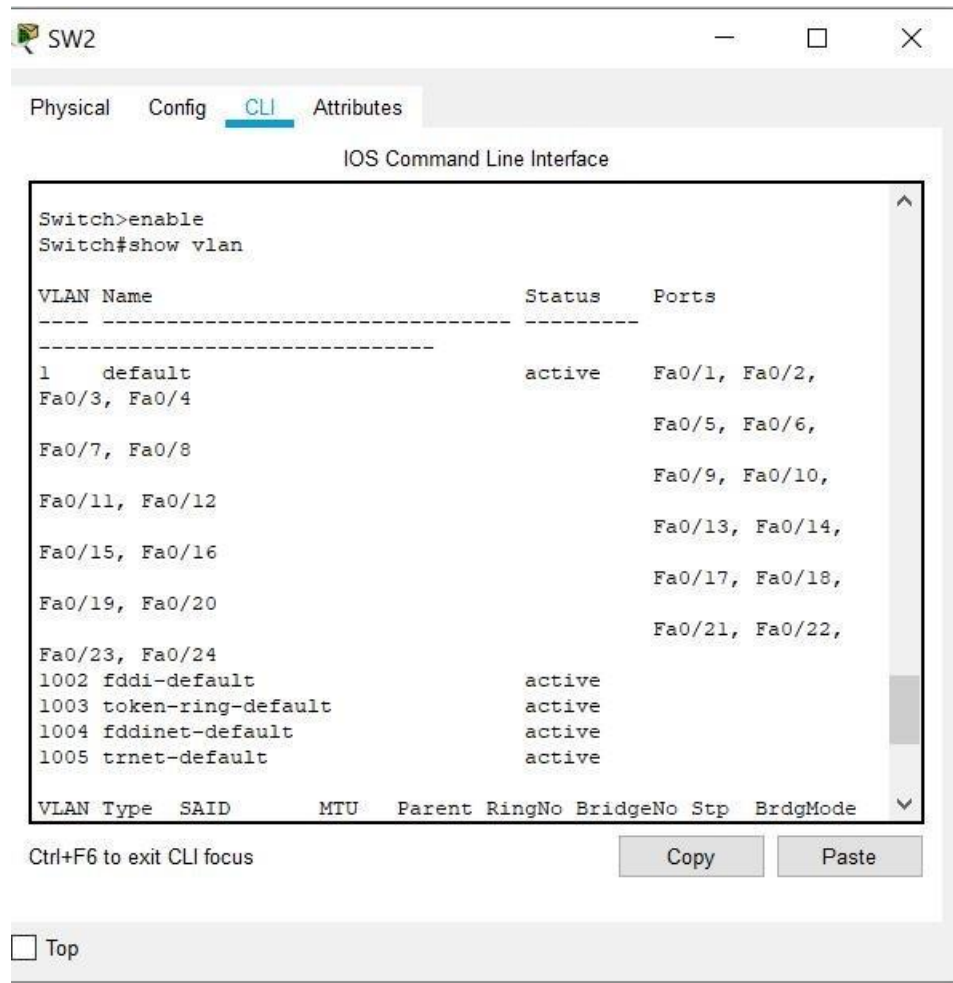
Pinging 172.21.3.4 with 32 bytes of data:

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”?**

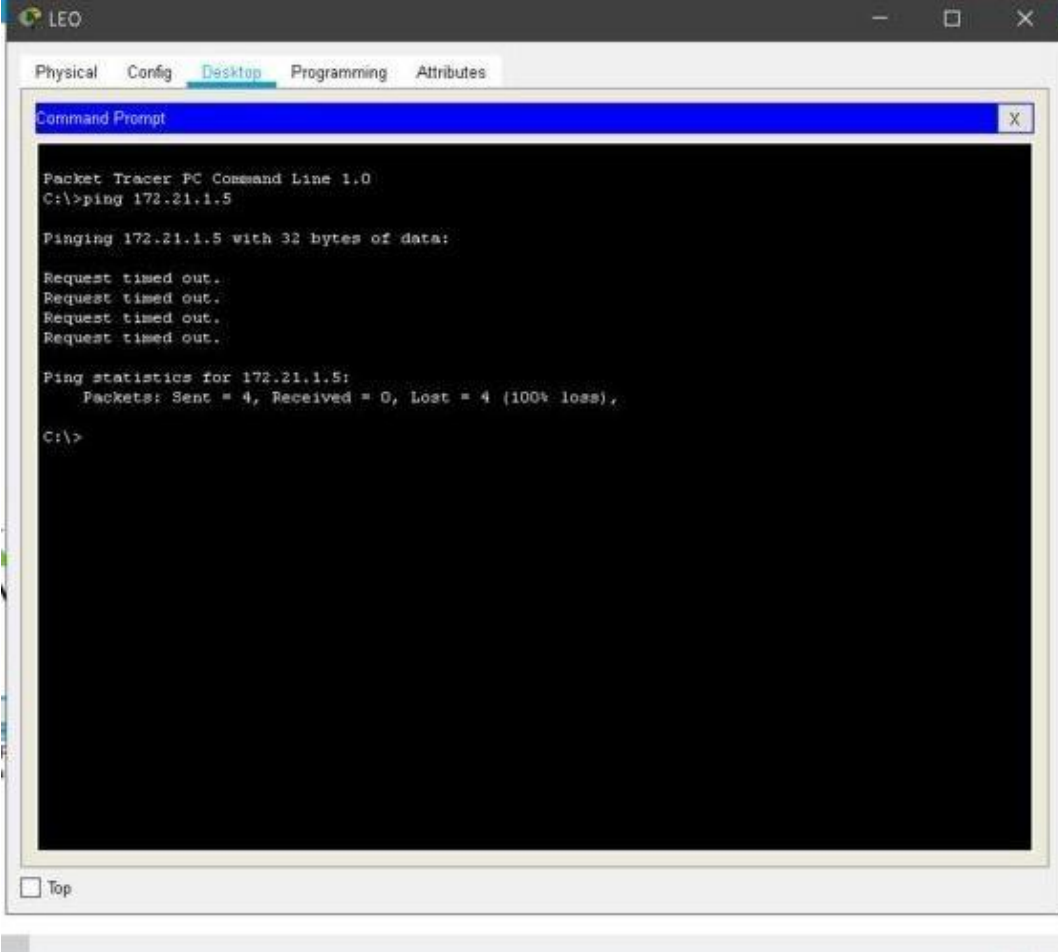


Pada langkah ini port fastethernet belum terkonfigurasi ke dalam VLAN, bahkan VLAN nya belum dibuat



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

1. Melakukan ping dari PC Leo ke PC Pisces



```
LEO
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.5

Pinging 172.21.1.5 with 32 bytes of data:

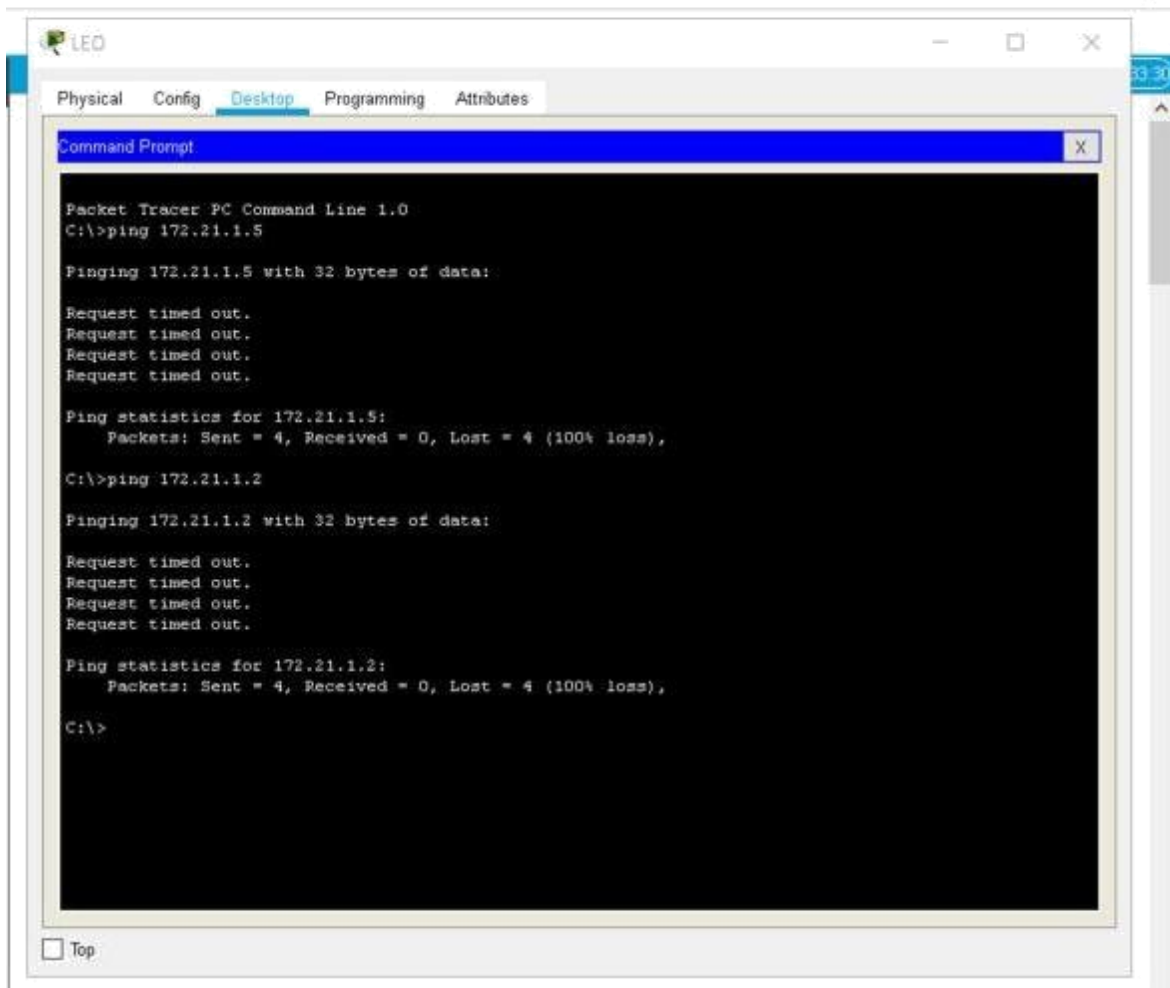
Request timed out.
Request timed out.
Request timed out.
Request timed out.

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

C:\>
```

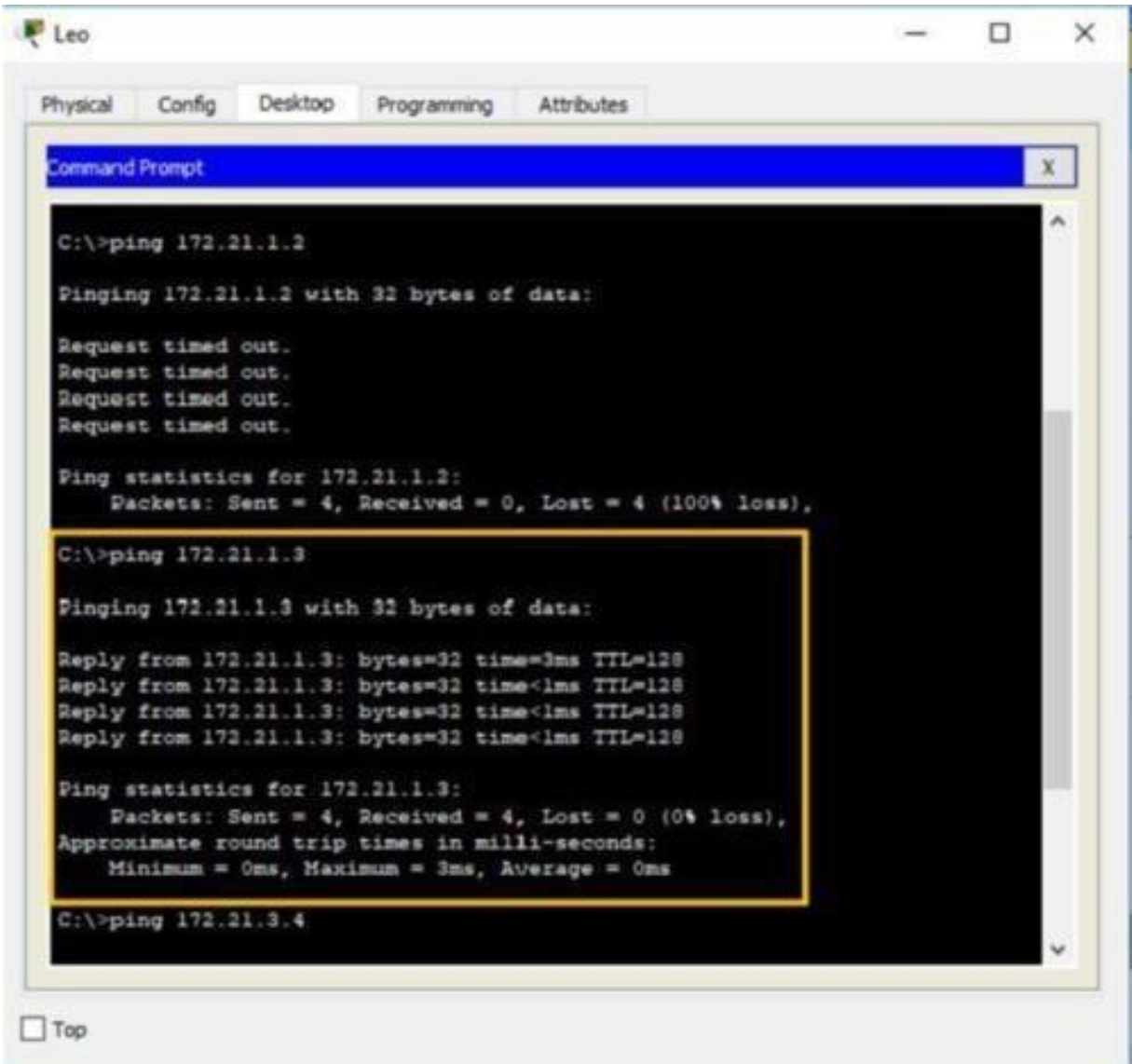
Hasil ping merupakan RTO (request time out) karena PC leo dan PC pisces tidak berada di dalam satu vlan dan memiliki network access yang berbeda

## 2. Melakukan ping dari PC Leo ke PC Aries



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

### 3. Melakukan ping terhadap PC leo ke PC aquarius



The screenshot shows a Command Prompt window titled "Leo" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active. The Command Prompt displays the following text:

```
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=3ms 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

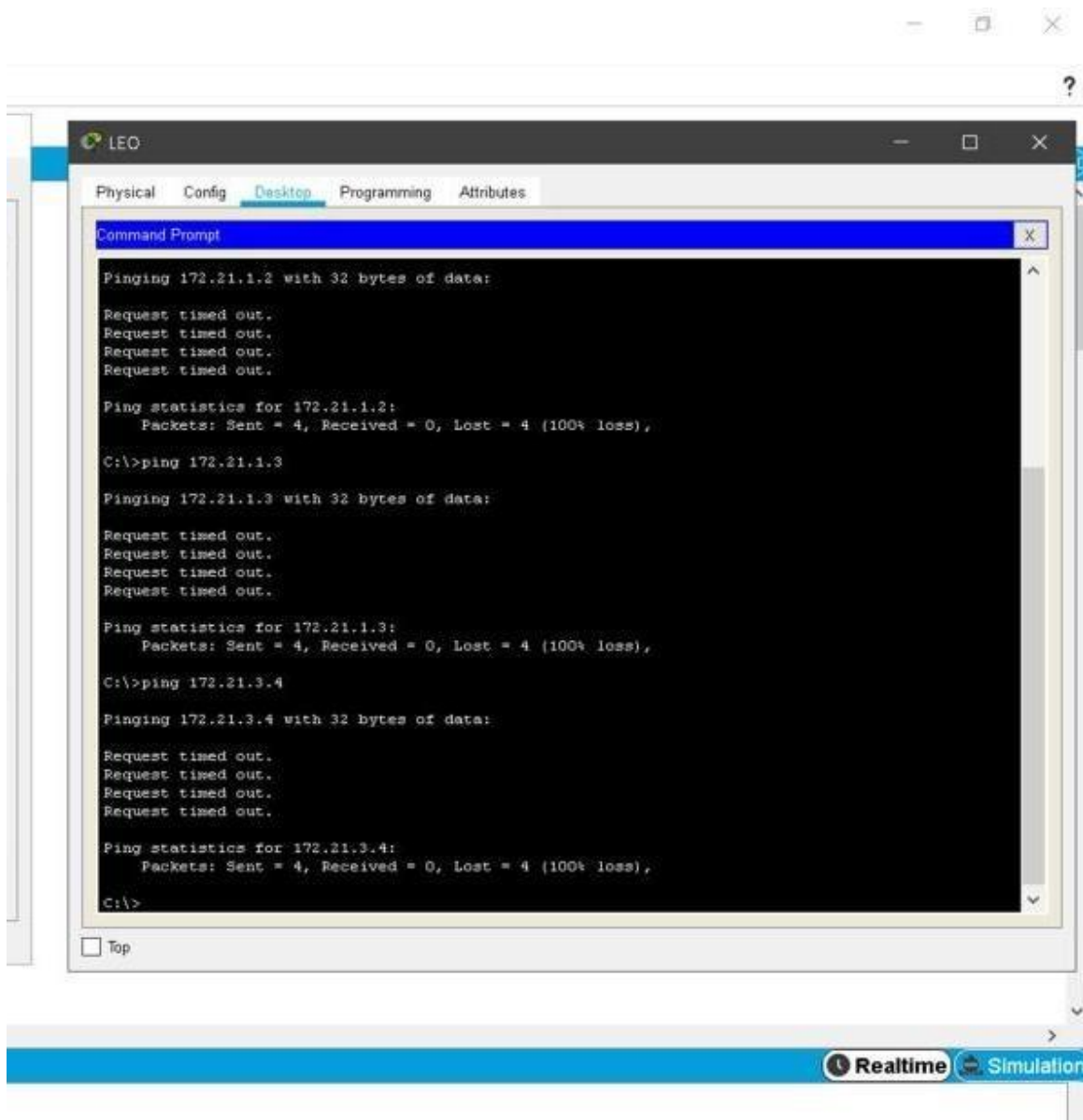
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>ping 172.21.3.4
```

The second ping command and its output are highlighted with a yellow border. At the bottom left of the window, there is a checkbox labeled "Top".

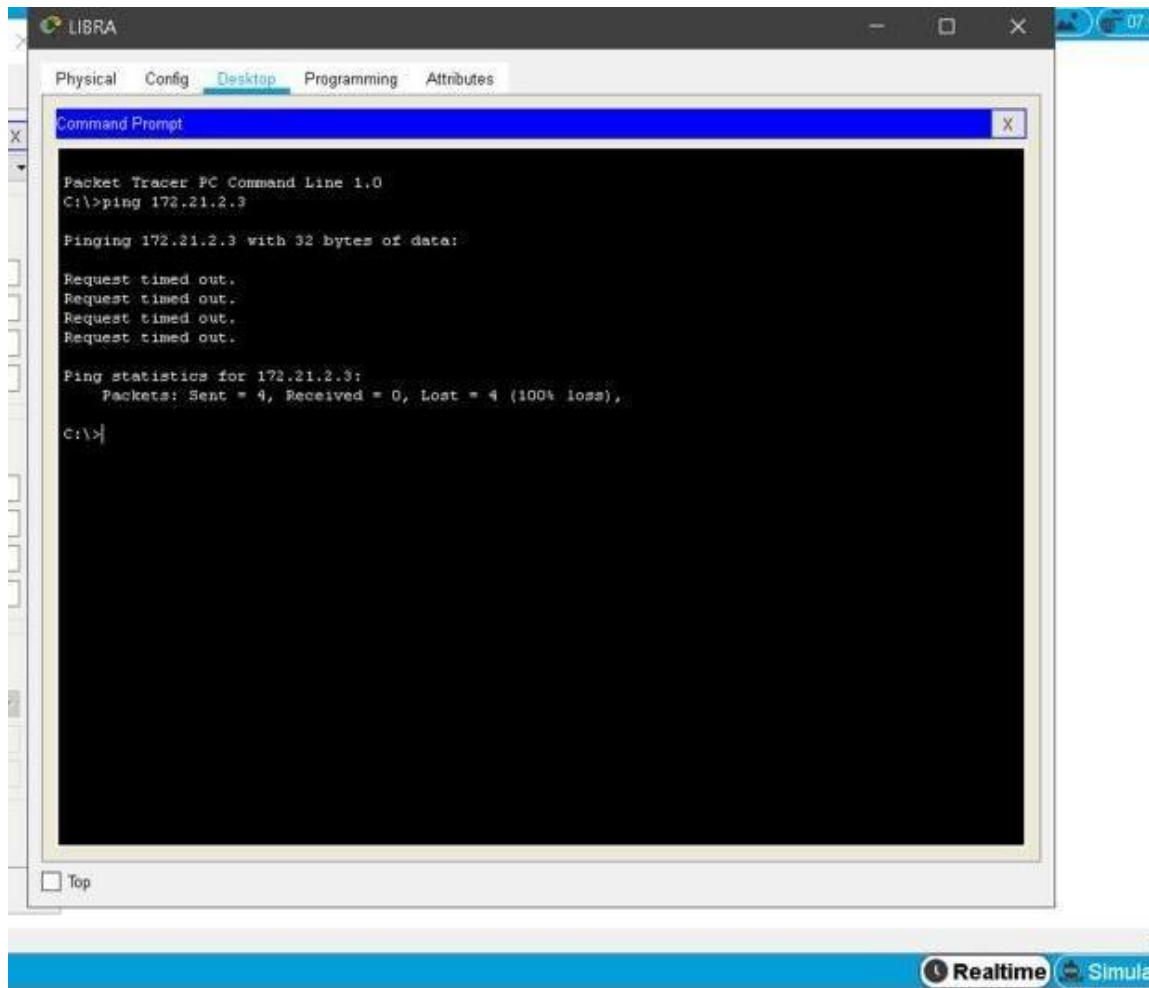
Hasil Ping dari PC Leo ke PC Aquarius "Reply". Karena PC Leo dan PC Aquarius berada dalam satu VLAN dan memiliki Network Access yang sama.

#### 4. Melakukan ping terhadap PC Leo ke PC Pisces



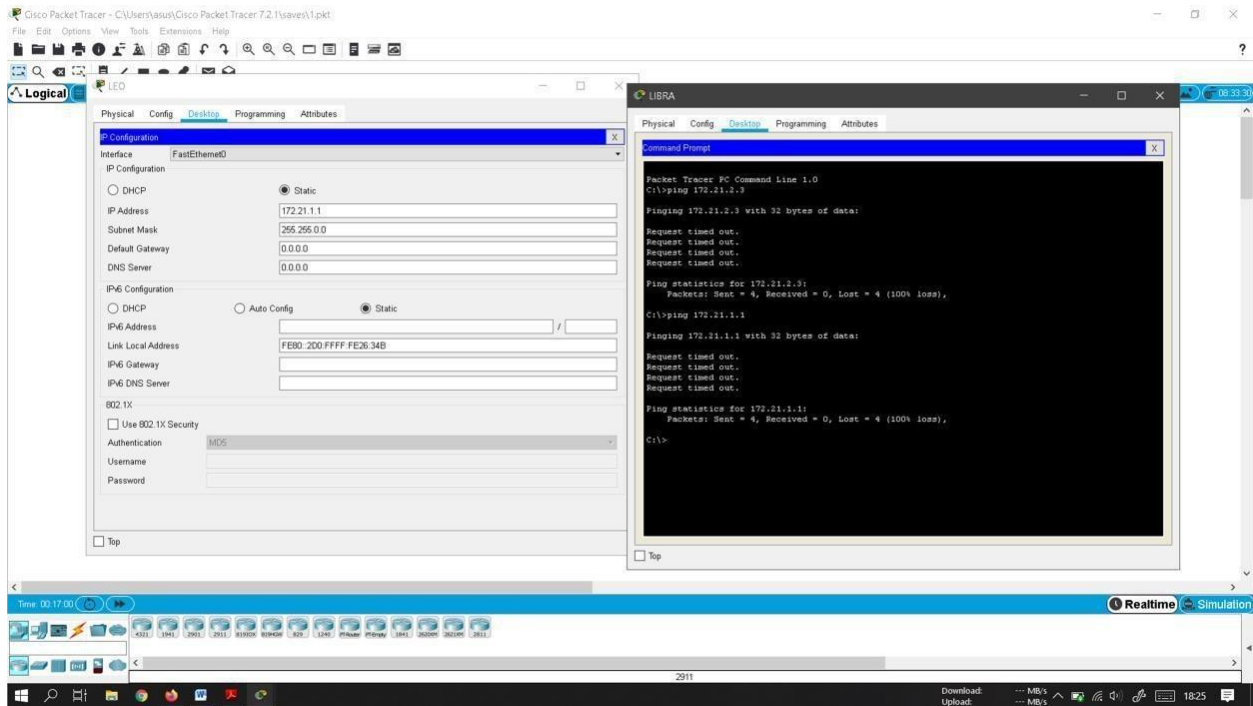
Hasil ping dari PC leo ke PC pisces "Request timed out" karena PC leo dan PC pisces tidak berada dalam satu VLAN dan memiliki network access yang berbeda.

5. 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.

## 6. 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

