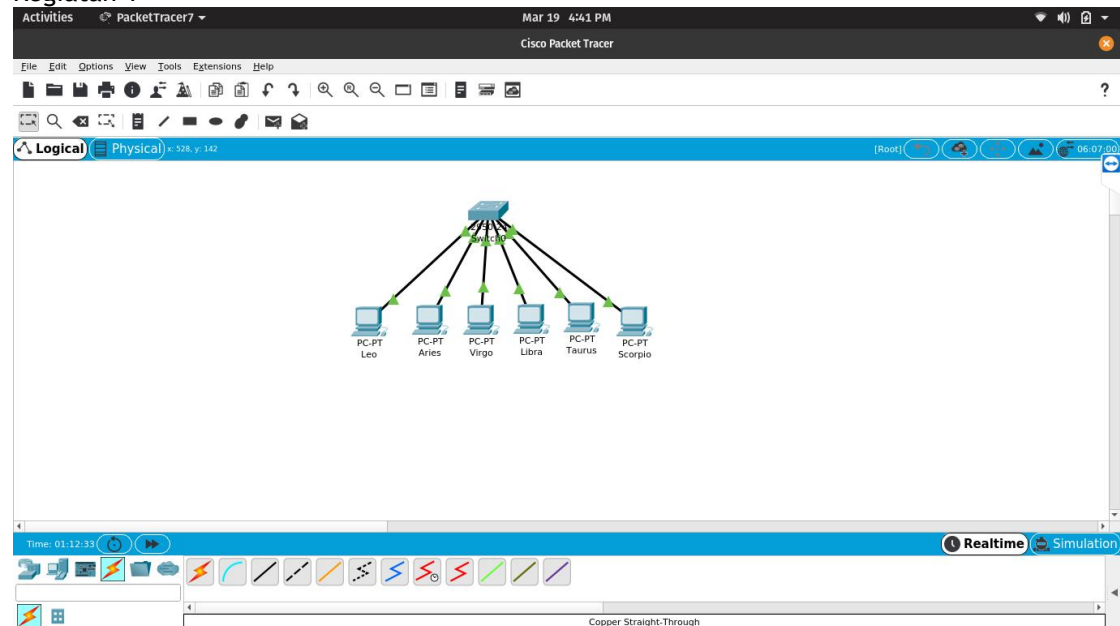


Nama : Arga Dwi Ardinata
NIM : L200180114
Kelas : C

Kegiatan 1



SW 1

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

Switch(Vlan)#vlan 30 name zodiak3
VLAN 30 modified:
  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 fa0/4
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 fa0/5
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 fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#ex
Switch#
KSTS-5-CONFIG_1: Configured from console by console
Switch#show vlan brief

VLAN Name                Status    Ports
----
1    default                active    Fa0/7, Fa0/8, Fa0/9, Fa0/10
10   zodiak3                 active    Fa0/11, Fa0/12, Fa0/13, Fa0/14
20   zodiak3                 active    Fa0/15, Fa0/16, Fa0/17, Fa0/18
30   zodiak3                 active    Fa0/19, Fa0/20, Fa0/21, Fa0/22

Ctrl+F6 to exit CLI focus
```

SW 1 (Show VLAN)

Activities PacketTracer7 Mar 19 4:18 PM Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show vlan brief
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
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#show vlan id 20
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#show vlan id 30
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

Copy Paste

☐ Top

Activities PacketTracer7 Mar 19 4:18 PM Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
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#show vlan id 20
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#show vlan id 30
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 6A

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

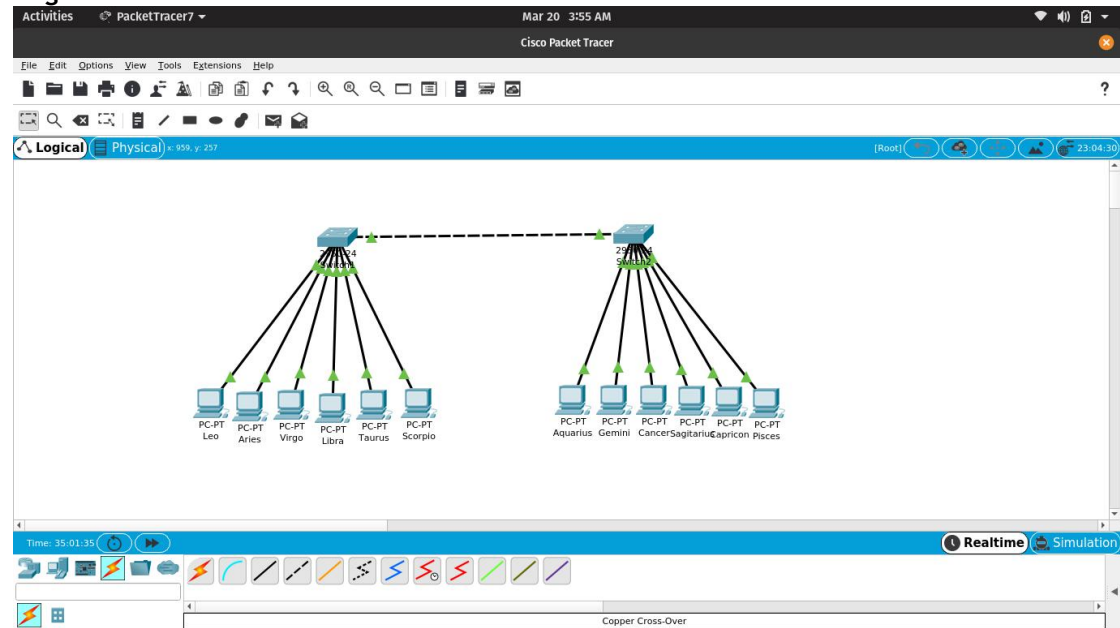
No	Variabel	Nilai
1.	Nomor VLAN	20
2.	Nama VLAN	zodiak2
3.	Port	Fa0/2, Fa0/5
4.	Status	active

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 konfigurasi 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

Activities PacketTracer7 Mar 20 3:27 AM Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
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.

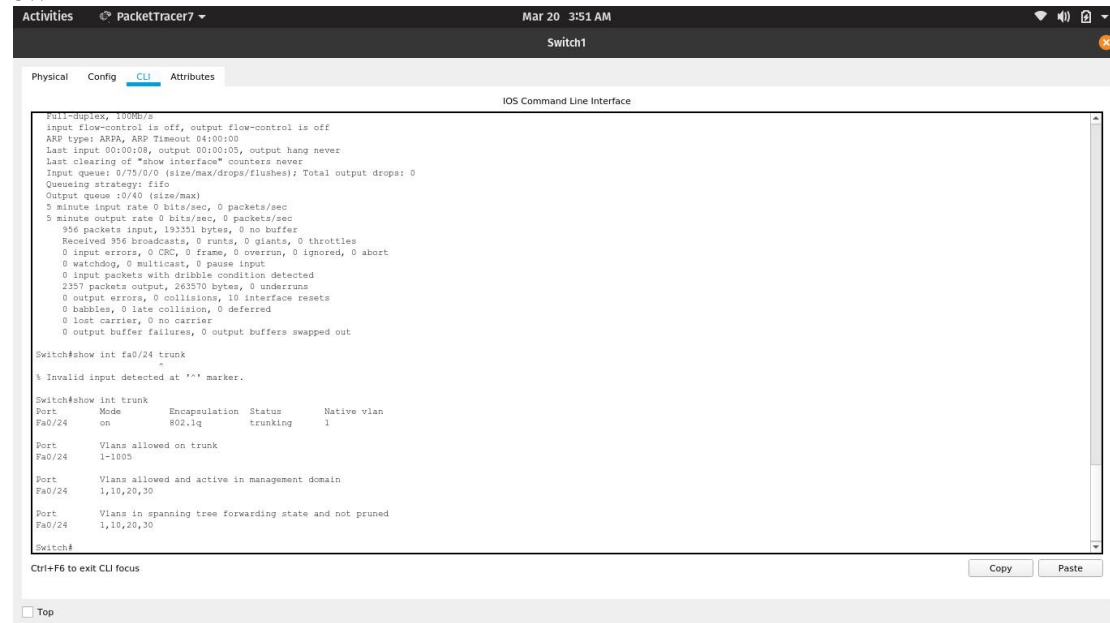
Switch(vlan)#vlan 10 name zodiak1
VLAN 10 modified:
  Name: zodiak1
Switch(vlan)#vlan 20 name zodiak2
VLAN 20 modified:
  Name: zodiak2
Switch(vlan)#vlan 30 name zodiak3
VLAN 30 modified:
  Name: zodiak3
Switch(vlan)#ex
APPLY completed.
Exiting...
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/2
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 10
Switch(config-if)#int fa0/3
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 20
Switch(config-if)#int fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#int fa0/7
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#ex
Switch(config)#ex
```

Ctrl+F6 to exit CLI focus

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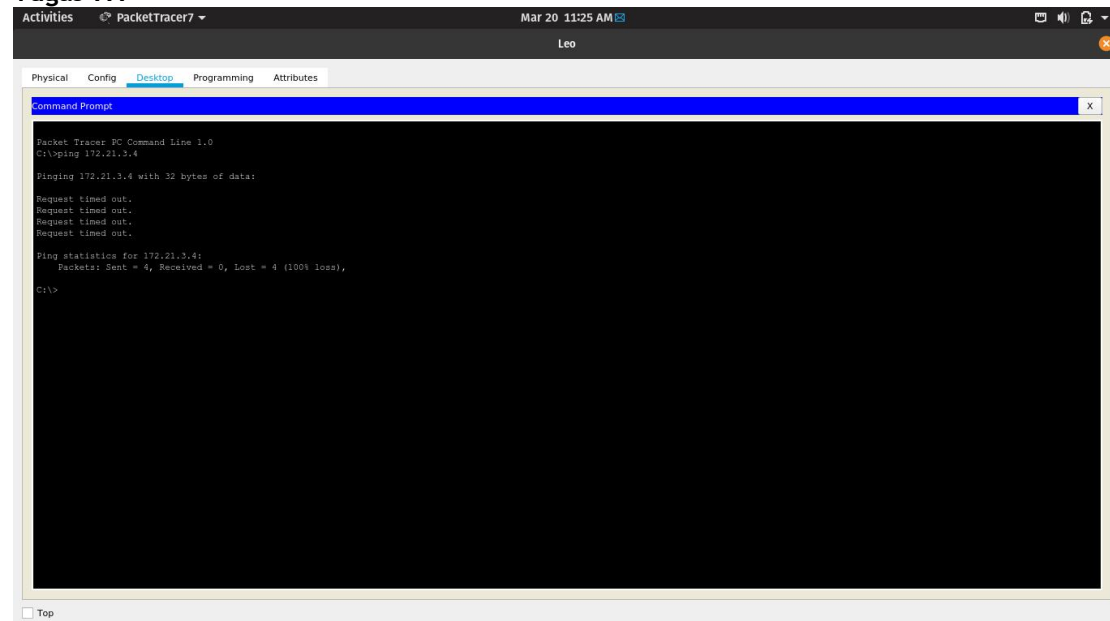
☐ Top

SW 2



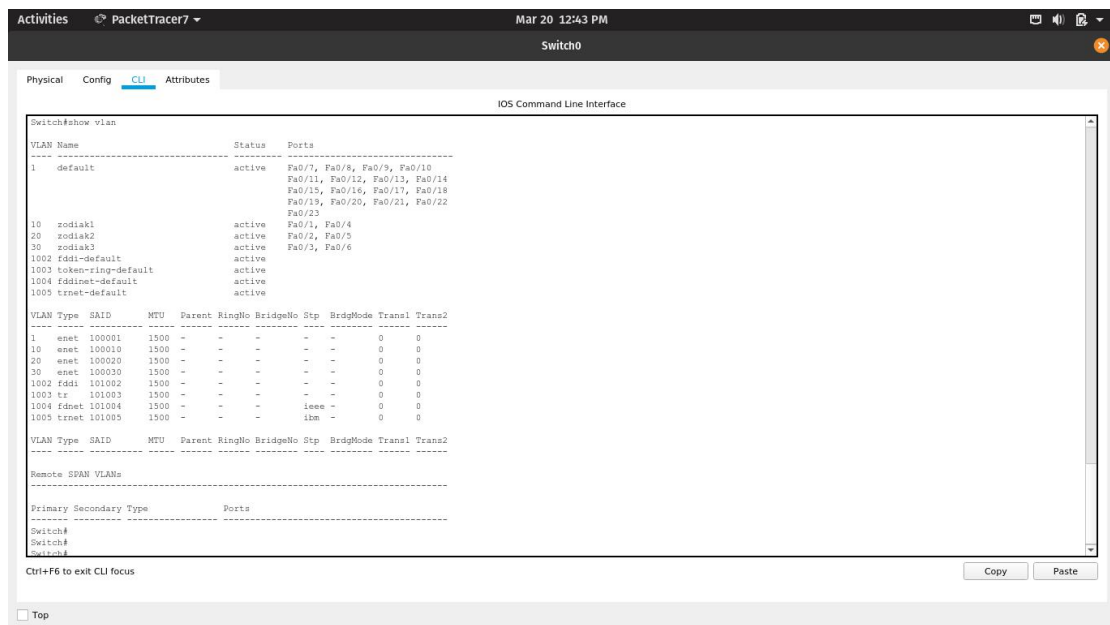
Hasil dari Trunking pada FastEthernet 0/24 adalah kita telah mengizinkan VLAN dari SW1 untuk memperluas VLANnya dengan jalur tunggal yaitu pada port 0/24 sebagai jalur utamanya atau bisa dibilang menghubungkan antar device dengan jalur dari port Trunk(Fa0/24)

Tugas 7A



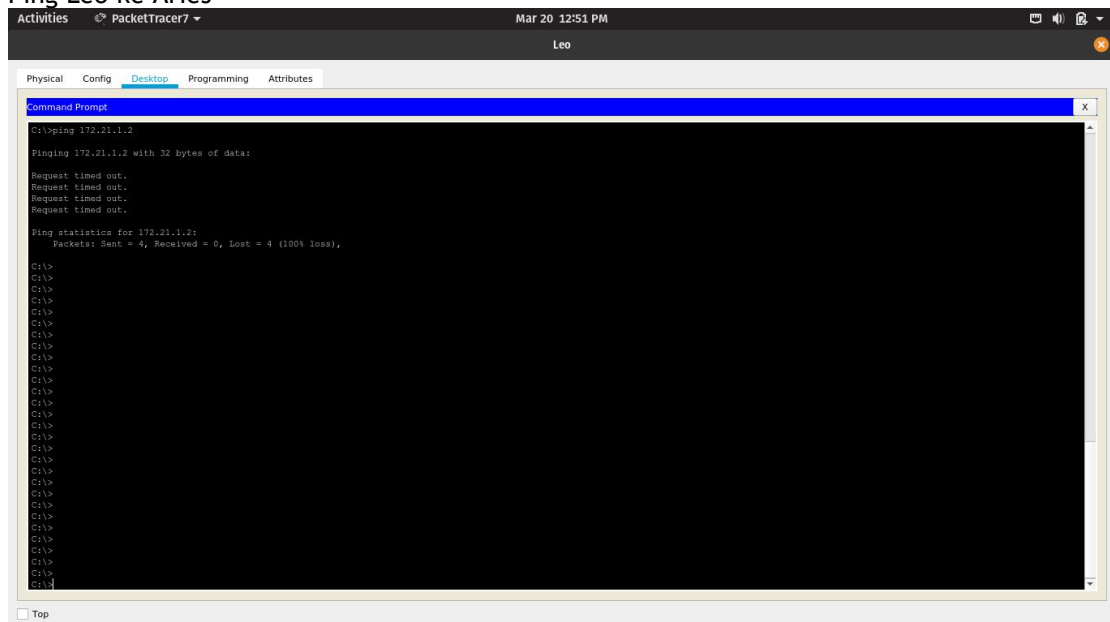
Hasilnya RTO karena walaupun sudah di-Trunking kemudian menyampungkan sesama VLAN ID tapi kalau networknya berbeda tidak bisa terhubung.

Tugas 8A

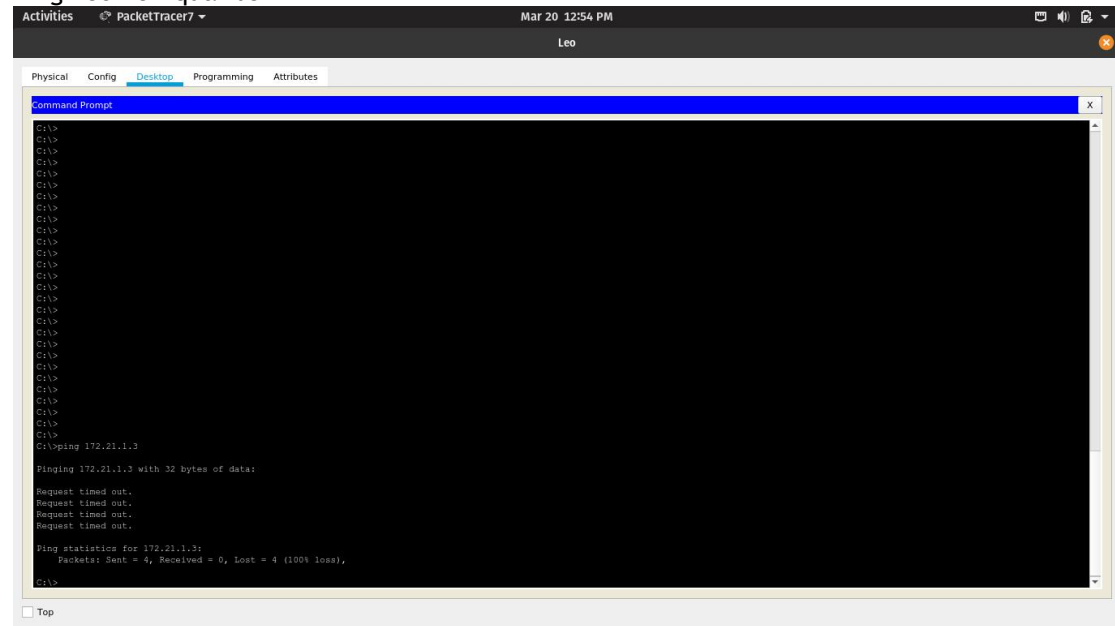


Tugas 10A

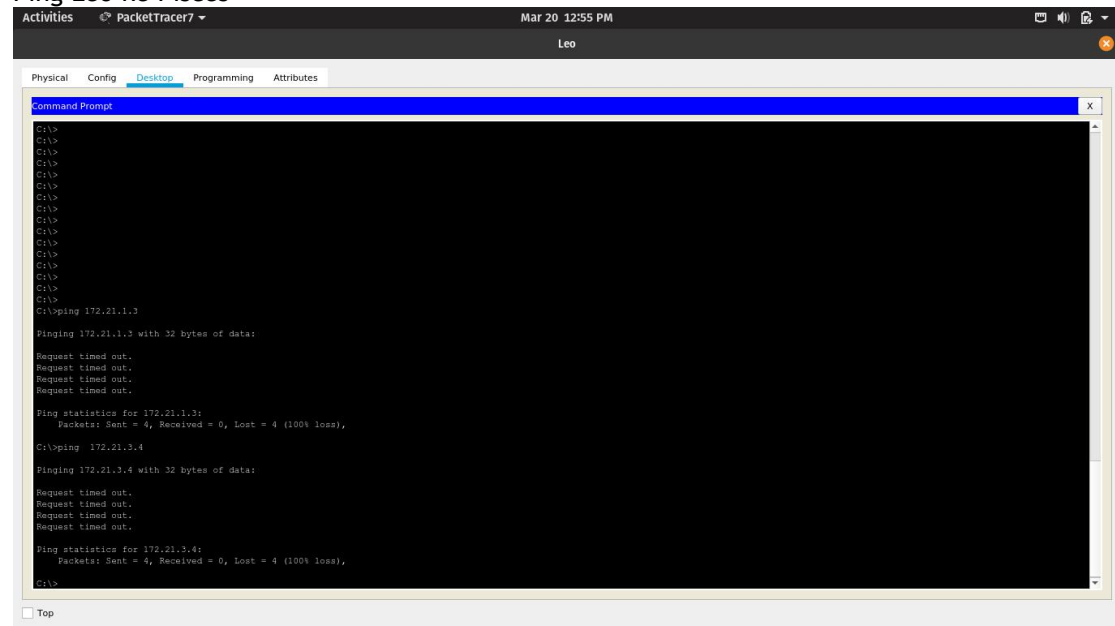
Ping Leo ke Aries



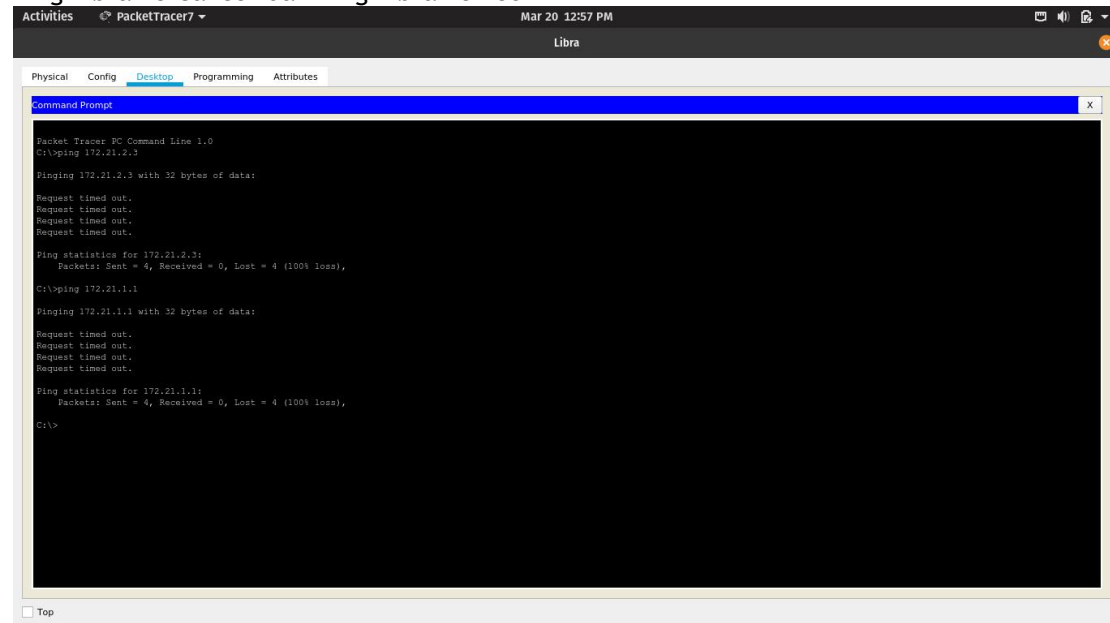
Ping Leo ke Aquarius



Ping Leo ke Pisces



Ping Libra ke Cancer dan Ping Libra ke Leo



The screenshot shows the PacketTracer7 interface with the 'Desktop' tab selected. A 'Command Prompt' window is open, displaying the following text:

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.2.3

Pinging 172.21.2.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.2.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

At the bottom left of the Command Prompt window, there is a checkbox labeled 'Top' which is currently unchecked.

Tugas 12A:

- Dari langkah 8 dapat disampaikan bahwa seluruh device yang sudah dikonfigurasi hasil dari pengujian koneksi (ping) menunjukkan bahwa device yang dalam jaringan yang sama namun memiliki perbedaan dalam VLAN menunjukkan hasil RTO, dalam network yang sama namun dalam VLAN yang berbeda juga menunjukkan hasil RTO.
- Untuk hasil pengujian koneksi (ping) yang reply hanyalah dalam device dengan spesifikasi jaringan yang sama dan dalam VLAN yang sama perlu adanya konfigurasi gateway dalam switch agar dalam setiap device dapat terkoneksi satu dengan yang lain.