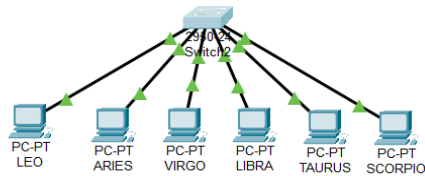


Nama: Ahmad fikri alqhozali

NIM : L200180166

Nb: maaf telat kirim tugas pak & mas/mba semoga masih bisa di maklumi

Kegiatan 1



Sesuai keterangan di buku modul sudah di terapkan dan hasil nya seperti ini

```
%SYS-5-CONFIG_I: Configured from console by console

Switch#en
Switch#show vlan brief

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
Switch#
```

Disini tertera semua vlan yang telah dikonfigurasi tadi yang menghasilkan data: **TUGAS 6A**

Vlan number	Vlan name	Vlan ports	Status
10	Zodiak1	Fa0/1, Fa0/4	Active
20	Zodiak2	Fa0/2, Fa0/5	Active
30	Zodiak3	Fa0/3, Fa0/6	Active

Lalu untuk masing show vlan nya menghasilkan seperti berikut ini

- Show vlan id 10

```
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

```
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

```
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#
```

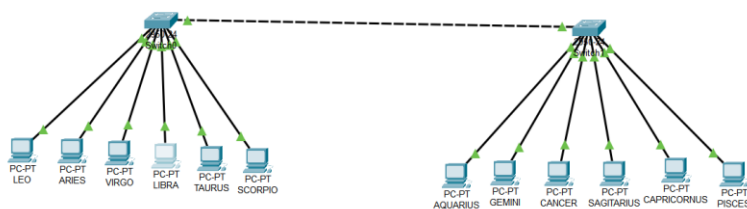
- Show vlan id 40

```
Switch#show vlan id 40
VLAN id 40 not found in current VLAN database
Switch#
```

Not found karena belum disetting

Tugas 6B : mengelompokkan ip kedalam beberapa group vlan untuk tetap menjaga trafik di vlan lain

Kegiatan 2 :



Konfigurasi telah dilakukan semua dan menghasilkan data sebagai berikut :

Tugas 7A:

1. Dari konfigurasi ip dan mengelompokkan beberapa ip di zodiak yang berbeda
Lalu melakukan konfigurasi trunk dan mengashilkan seperti berikut:

Physical Config **CLI** Attributes

IOS Command Line Interface

```
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to up

Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/1     on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/1     1-1005

Port      Vlans allowed and active in management domain
Fa0/1     1,10,20,30

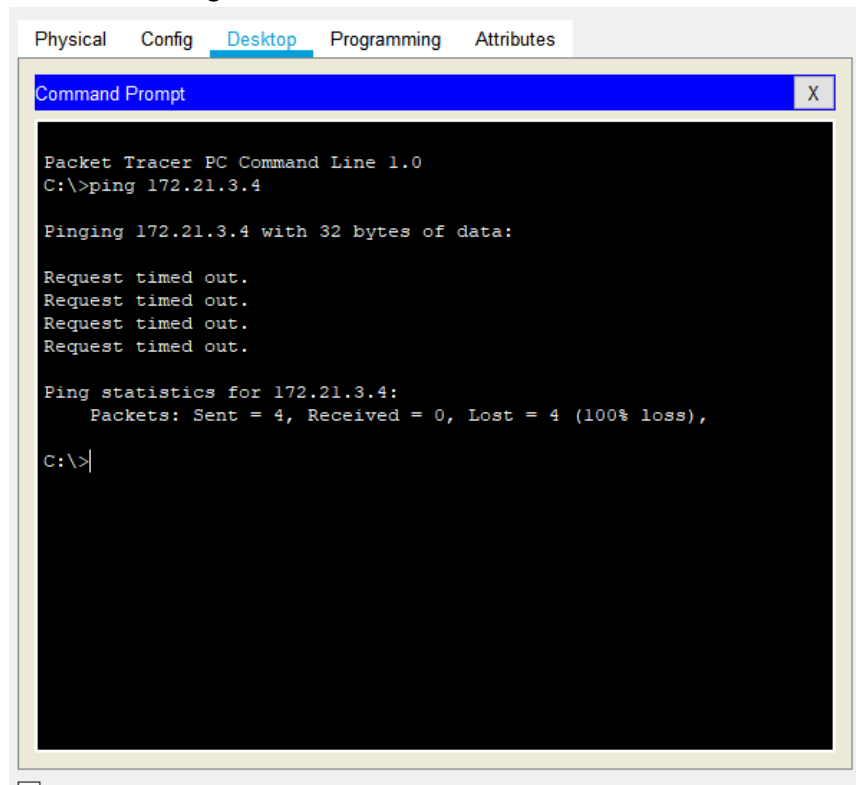
Port      Vlans in spanning tree forwarding state and not
pruned
Fa0/1     1,10,20,30

Switch#
```

Di switch 1 terhubung dengan port 1 / fa 0/1 berhasil di trunking

Tugas 8A:

1. Hasil yang di dapatkan adalah status rto karena dia memiliki ip yang berbeda dan belum di trunking switch 2



The screenshot shows a Packet Tracer PC Command Line window with the 'Desktop' tab selected. The command prompt displays the following text:

```
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.

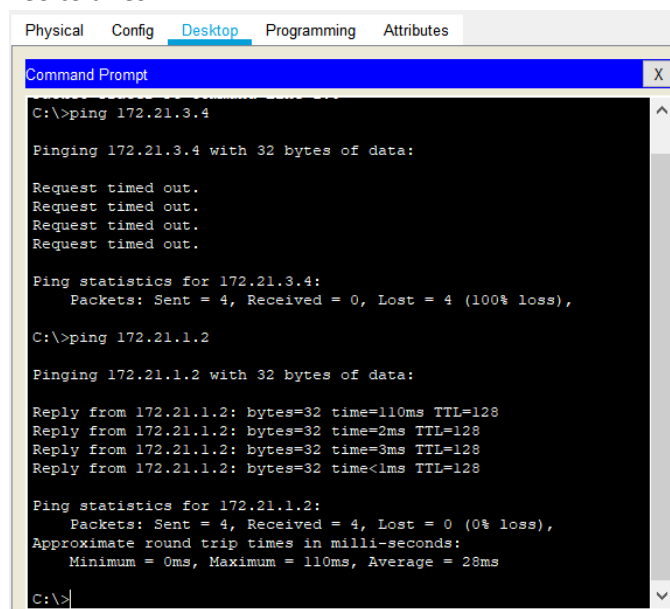
Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Tugas 10A : Setelah switch 2 dikonfigurasi trunking maka hasil sukses di trunking untuk switch 2

Tugas 12A: setelah konfigurasi dan mengetes maka hasil nya seperti berikut:

1. Leo to aries



The screenshot shows a Packet Tracer PC Command Line window with the 'Desktop' tab selected. The command prompt displays the following text:

```
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:\>ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

Reply from 172.21.1.2: bytes=32 time=110ms TTL=128
Reply from 172.21.1.2: bytes=32 time=2ms TTL=128
Reply from 172.21.1.2: bytes=32 time=3ms TTL=128
Reply from 172.21.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 110ms, Average = 28ms

C:\>
```

2. Leo to aquarius

```
C:\>ping 172.21.1.3

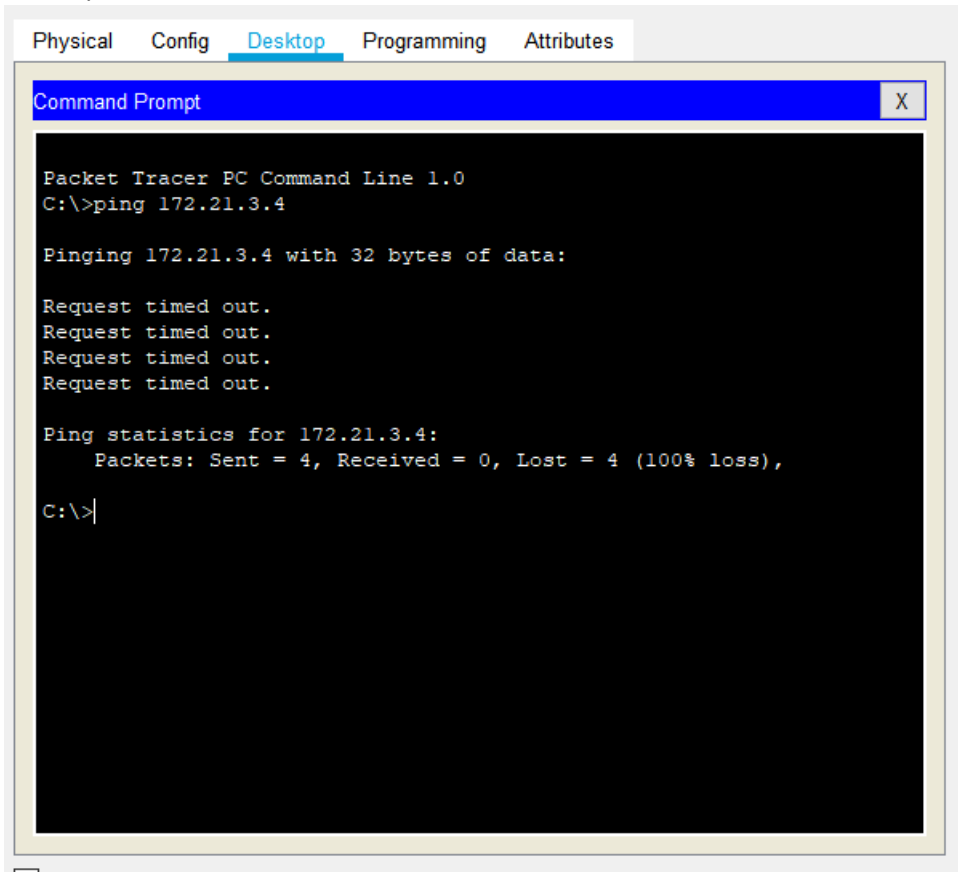
Pinging 172.21.1.3 with 32 bytes of data:

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

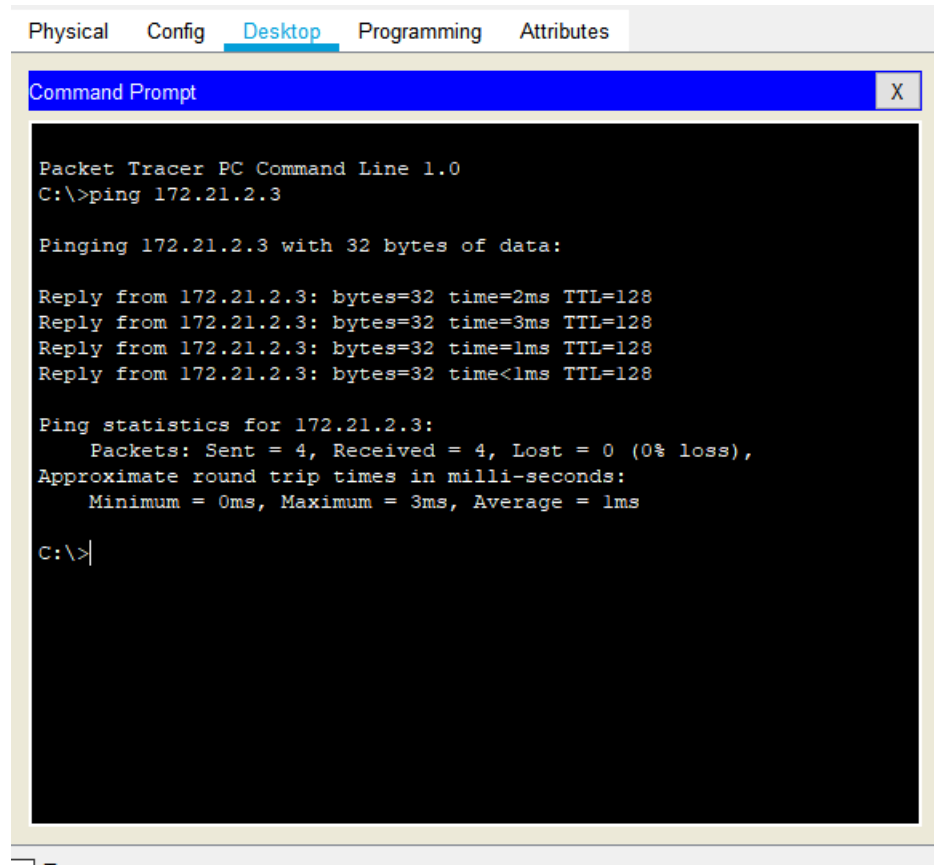
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

3. Leo to pisces



4. Libra to cancer



The screenshot shows the Packet Tracer interface with the 'Desktop' tab selected. A Command Prompt window is open, displaying the results of a ping command from PC1 to PC2 (172.21.2.3). The ping is successful with 0% loss.

```
Physical  Config  Desktop  Programming  Attributes

Command Prompt

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

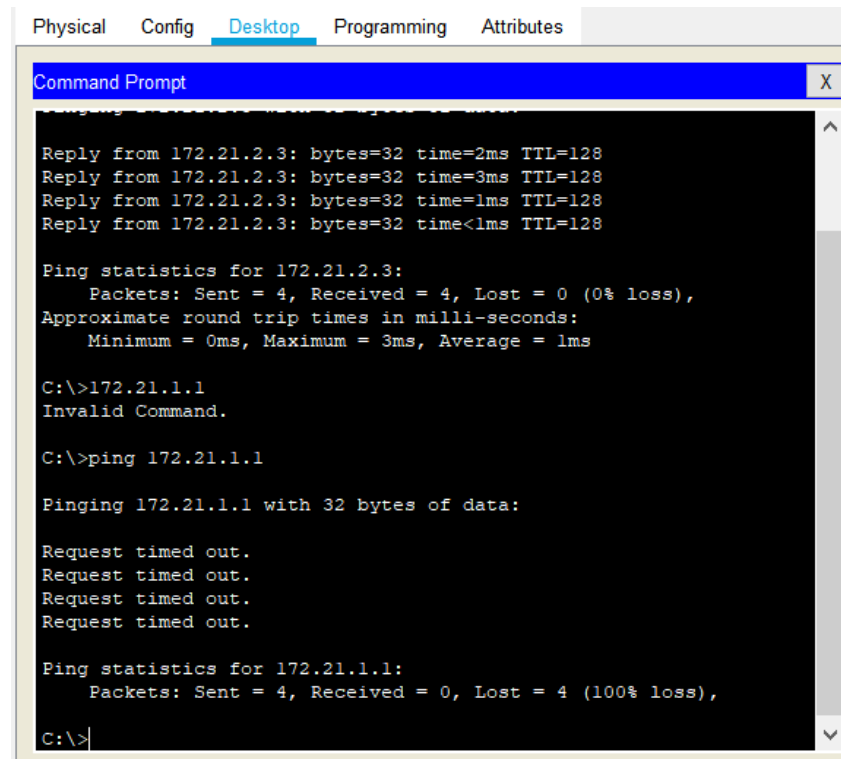
Pinging 172.21.2.3 with 32 bytes of data:

Reply from 172.21.2.3: bytes=32 time=2ms TTL=128
Reply from 172.21.2.3: bytes=32 time=3ms TTL=128
Reply from 172.21.2.3: bytes=32 time=1ms TTL=128
Reply from 172.21.2.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>
```

5. Libra to leo



The screenshot shows the Packet Tracer interface with the 'Desktop' tab selected. A Command Prompt window is open, displaying the results of a ping command from PC1 to PC3 (172.21.1.1). The ping fails with 100% loss.

```
Physical  Config  Desktop  Programming  Attributes

Command Prompt

Pinging 172.21.1.1 with 32 bytes of data:

Reply from 172.21.2.3: bytes=32 time=2ms TTL=128
Reply from 172.21.2.3: bytes=32 time=3ms TTL=128
Reply from 172.21.2.3: bytes=32 time=1ms TTL=128
Reply from 172.21.2.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>172.21.1.1
Invalid Command.

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:\>
```

