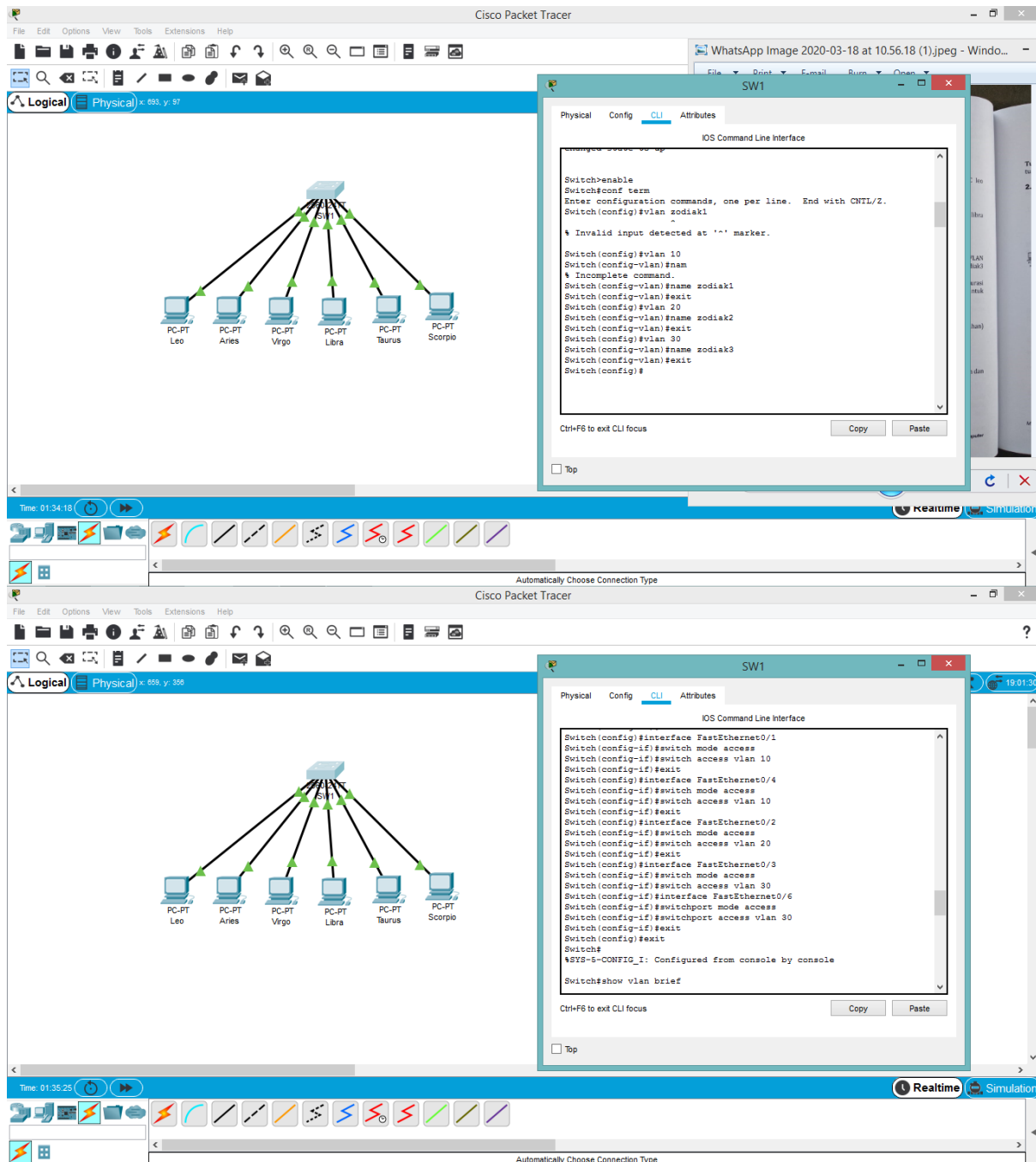


Aji Mustaqim

L200180141/D

JARKOM MODUL 4

1. Kegiatan 1. Topologi 1

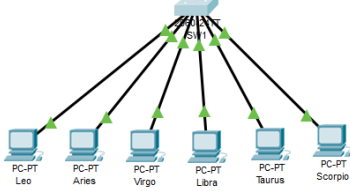


Tugas 6A:

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 587, y: 476



SW1

Physical Config CLI Attributes

IOS Command Line Interface

%SYS-5-CONFIG-I: Configured from console by console

Switch#show vlan brief

VLAN Name	Status	Ports
1 default	active	Fa0/5, Fa0/7, Fa0/8, Fa0/9, 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, Gig0/1
10 zodiak1	active	Gig0/2
20 zodiak2	active	Fa0/1, Fa0/4
90 zodiak3	active	Fa0/2
1002 fddi-default	active	Fa0/3, Fa0/6
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

Ctrl+F8 to exit CLI focus

Copy Paste

☐ Top

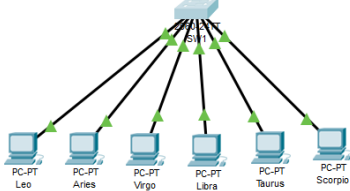
Time: 01:35:39

Realtime Simulation

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 555, y: 490



SW1

Physical Config CLI Attributes

IOS Command Line Interface

VLAN Name	Status	Ports
10 zodiak1	active	Gig0/2
20 zodiak2	active	Fa0/1, Fa0/4
90 zodiak3	active	Fa0/2
1002 fddi-default	active	Fa0/3, Fa0/6
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

Switch#show vlan id 20

VLAN Name	Status	Ports
-----------	--------	-------

Ctrl+F8 to exit CLI focus

Copy Paste

☐ Top

Time: 01:36:10

Realtime Simulation

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 655, y: 480

SW1

Physical Config CLI Attributes

IOS Command Line Interface

Switch#show vlan id 20

VLAN Name	Status	Ports
20 zodiak2	active	Fa0/2

VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode

Trans1 Trans2

20	enet	100020	1500	-	-	-	-	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
----	------	--------	------	---	---	---	---	---

Ctrl+F8 to exit CLI focus

Copy Paste

☐ Top

Time: 01:36:20

Realtime Simulation

Automatically Choose Connection Type

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 403, y: 480

SW1

Physical Config CLI Attributes

IOS Command Line Interface

20 zodiak2

active

Fa0/2

VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode

Trans1 Trans2

20	enet	100020	1500	-	-	-	-	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
----	------	--------	------	---	---	---	---	---

Switch#

Ctrl+F8 to exit CLI focus

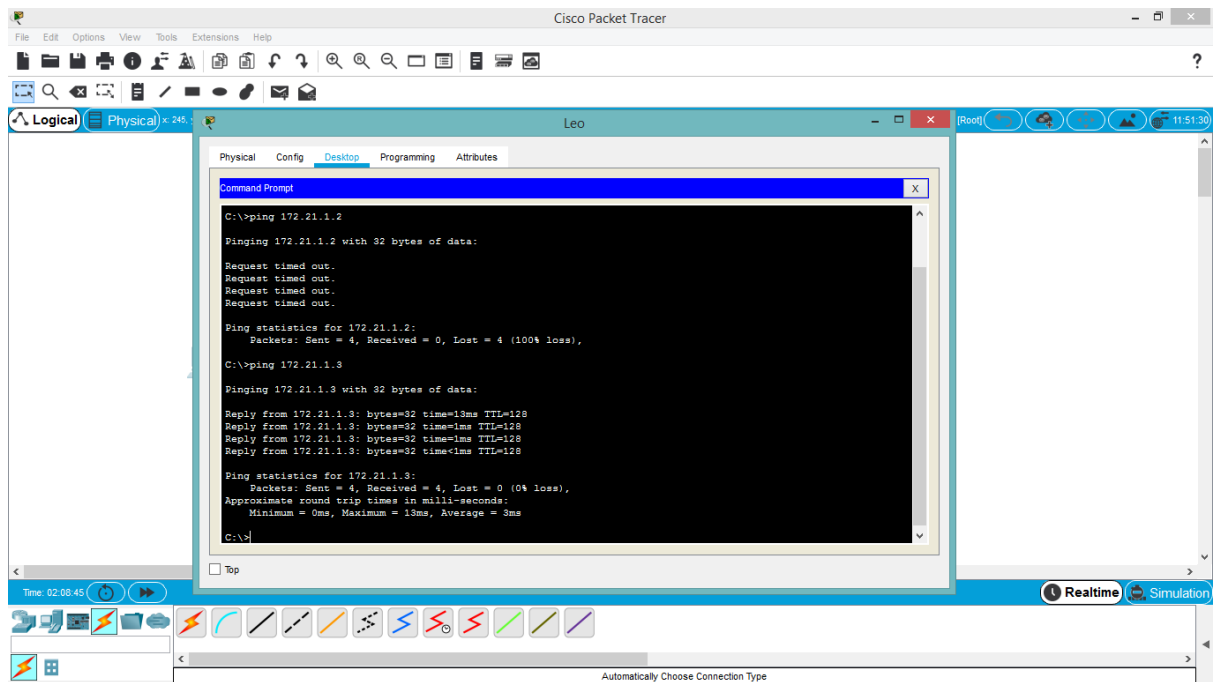
Copy Paste

☐ Top

Time: 01:36:30

Realtime Simulation

Automatically Choose Connection Type

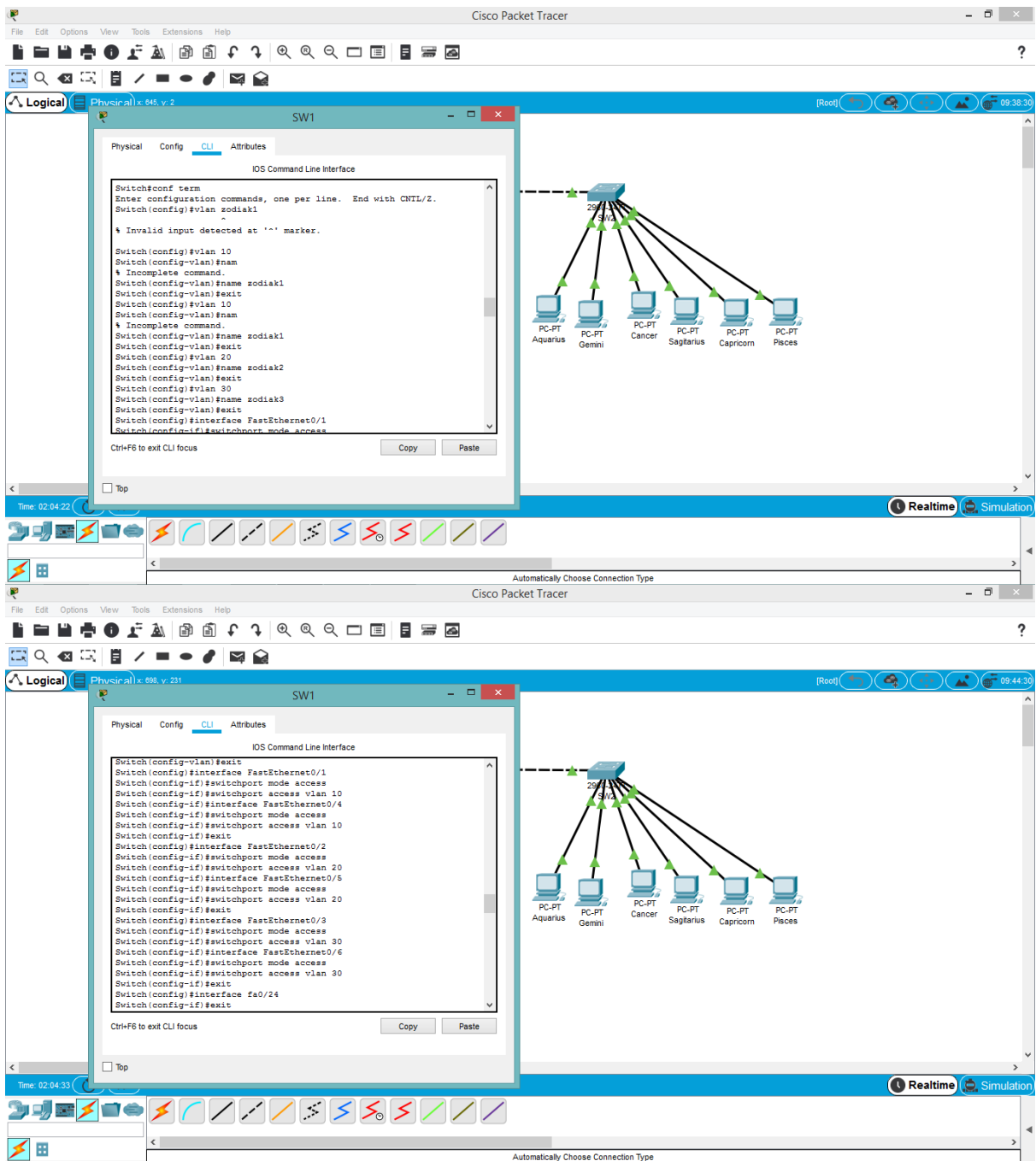


NO	VARIABLE	NILAI
1	Nomor VLAN	10
2	Nama VLAN	Zodiak 1
3	Port	Fa0/1,0/4
4	Status	active
NO	VARIABLE	NILAI
1	Nomor VLAN	20
2	Nama VLAN	Zodiak 2
3	Port	Fa0/1,04
4	Status	active
NO	VARIABLE	NILAI
1	Nomor VLAN	30
2	Nama VLAN	Zodiak 3
3	Port	Fa0/1,0/4
4	Status	active

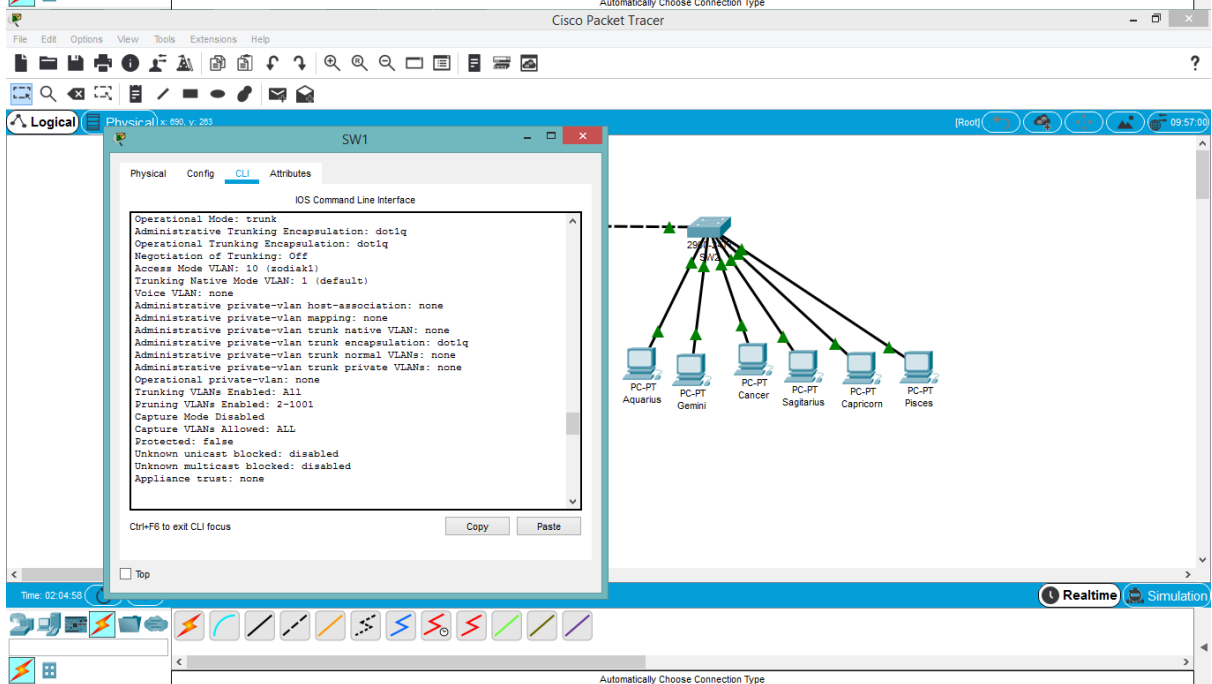
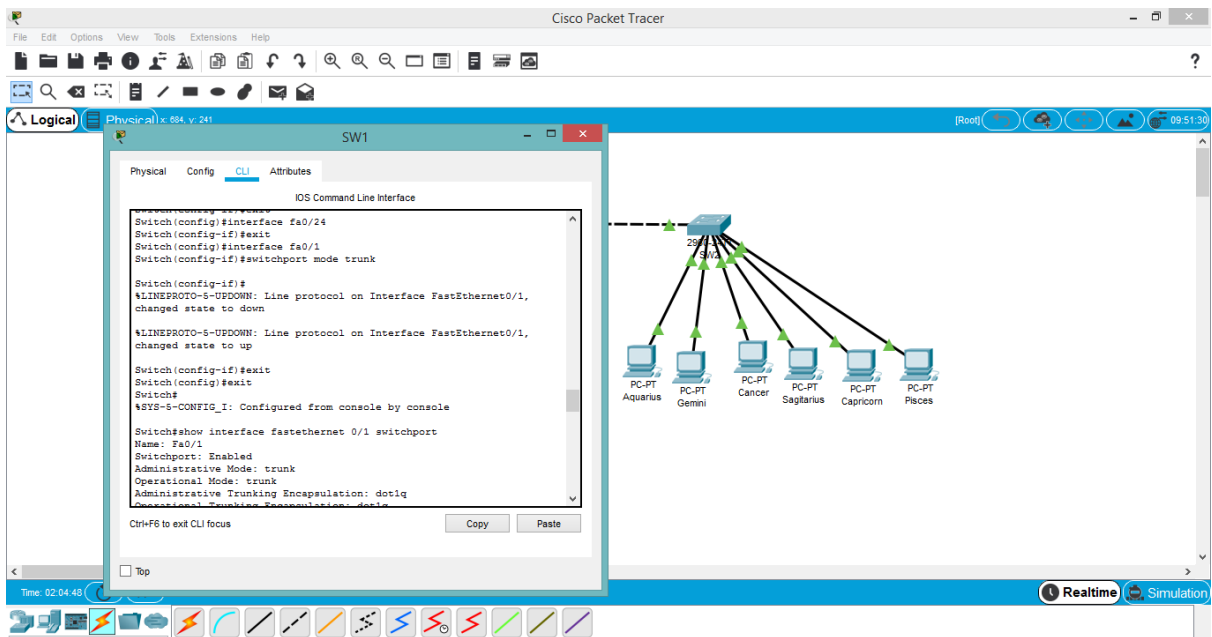
Tugas 6B:

Untuk vlan yang ber-id kan 10, 20, dan 30 memiliki nama VLAN, port yang terhubung dan juga status dari VLAN aktif. Sedangkan untuk VLAN ber id 2,3,4 tidak memiliki nama VLAN, port yang terhubung, dan status.

2. Kegiatan 2 topologi 2



Tugas 7A:



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 597, y: 153 SW1

Physical Config CLI Attributes

IOS Command Line Interface

```
% Invalid input detected at '^' marker.

Switch#show vlan

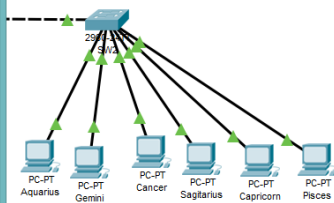
VLAN Name                Status    Ports
-----
1 default                  active    Fa0/7, Fa0/8, Fa0/9,
Fa0/10,
Fa0/13, Fa0/14            Fa0/11, Fa0/12,
Fa0/17, Fa0/18            Fa0/15, Fa0/16,
Fa0/21, Fa0/22            Fa0/19, Fa0/20,
Fa0/23, Fa0/24,
Gig0/1, Gig0/2
10 zodiak1                 active    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
```

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 02:05:25

Realtime Simulation



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 597, y: 228 SW1

Physical Config CLI Attributes

IOS Command Line Interface

```
1003 token-ring-default    active
1004 fddinet-default       active
1005 trnet-default         active

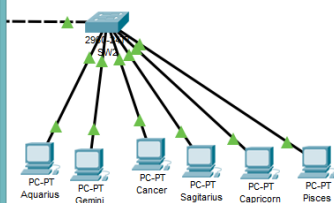
VLAN Type SAID      MTU   Parent RingNo BridgeNo Stp   BrdgMode
Trans1 Trans2
-----
1    enet  100001    1500  -      -      -      -      -      0
0
10   enet  100010    1500  -      -      -      -      -      0
0
20   enet  100020    1500  -      -      -      -      -      0
0
30   enet  100030    1500  -      -      -      -      -      0
0
1002 fddi  101002    1500  -      -      -      -      -      0
0
1003 tr   101003    1500  -      -      -      -      -      0
0
1004 fdnet 101004    1500  -      -      -      -      -      0
0
1005 trnet 101005    1500  -      -      -      -      -      0
0
```

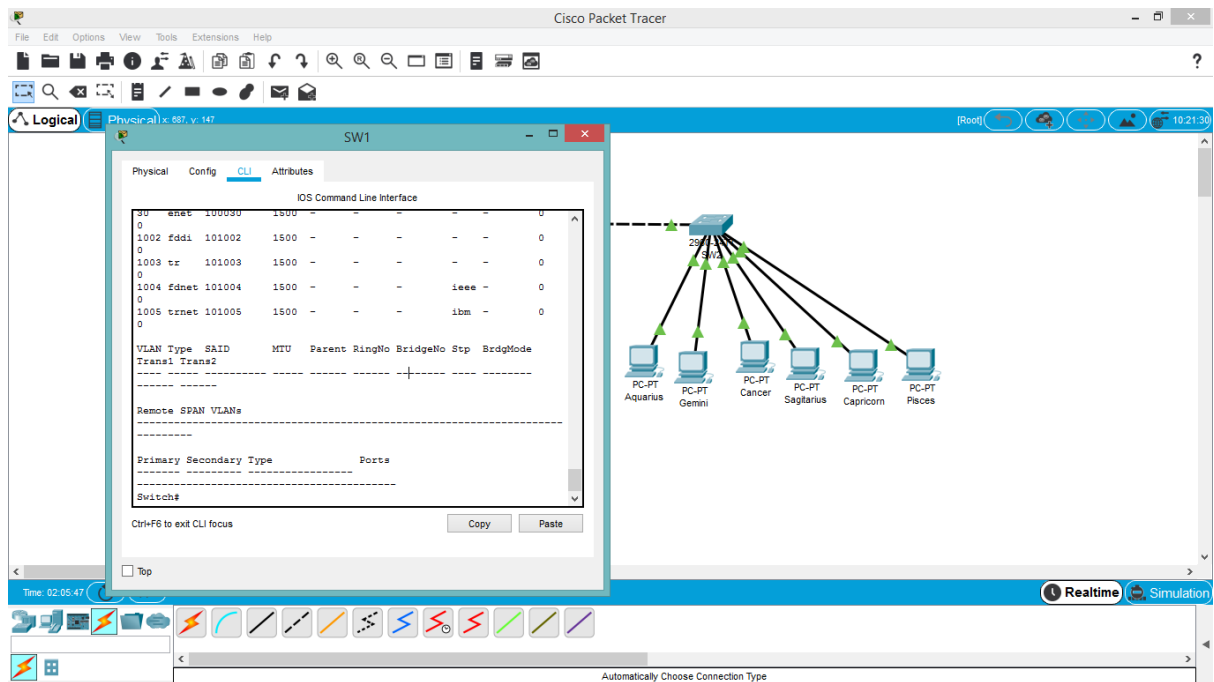
Ctrl+F6 to exit CLI focus

Copy Paste

Time: 02:05:36

Realtime Simulation






Tugas 8A:

Mengapa PC pisces yang berada di switch 2 bisa menerima status “reply” dari PC leo yang berada di switch 1. Karena switch 1 telah memiliki trunking yang bisa mengabungkan trafik VLANnya dengan VLAN di switch lain.

Tugas 10A:

 SW2

PhysicalConfigCLIAttributes

IOS Command Line Interface

```
Switch#show vlan
```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, 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
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						

Ctrl+F6 to exit CLI focus

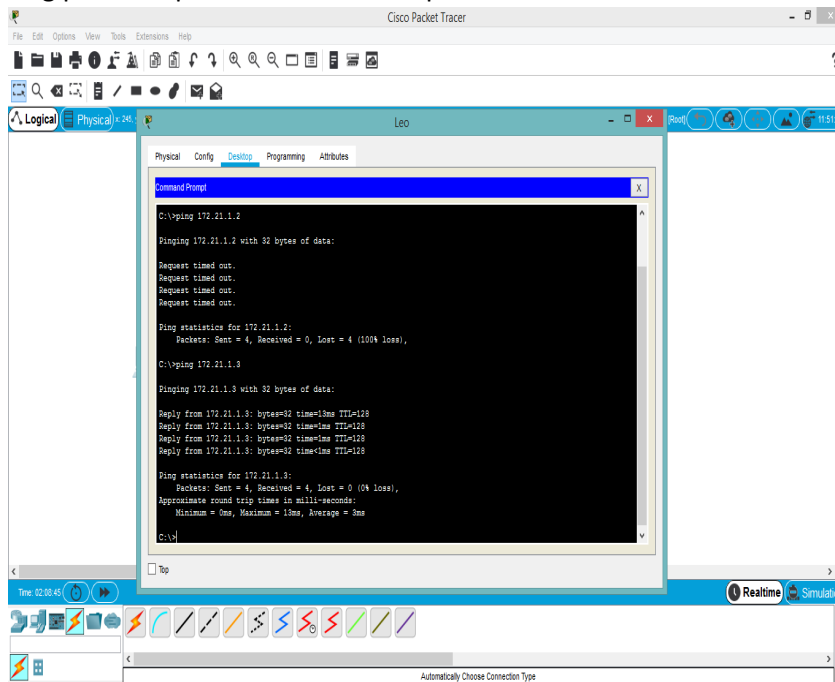
CopyPaste

☐ Top

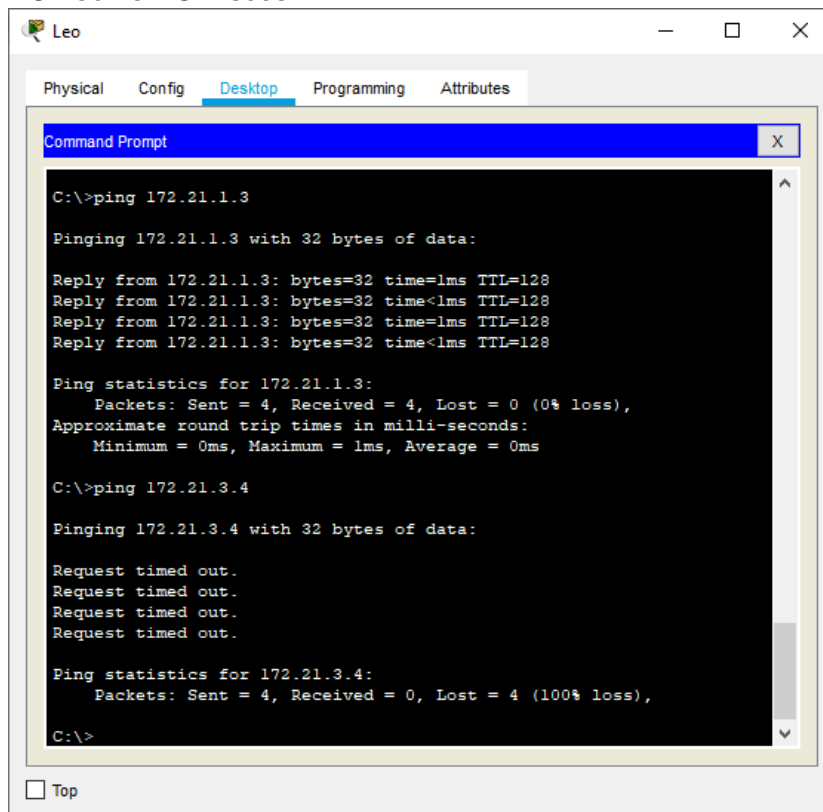
Port pada fastethernet 0/7 trunking dengan switch 1

Tugas 12A:

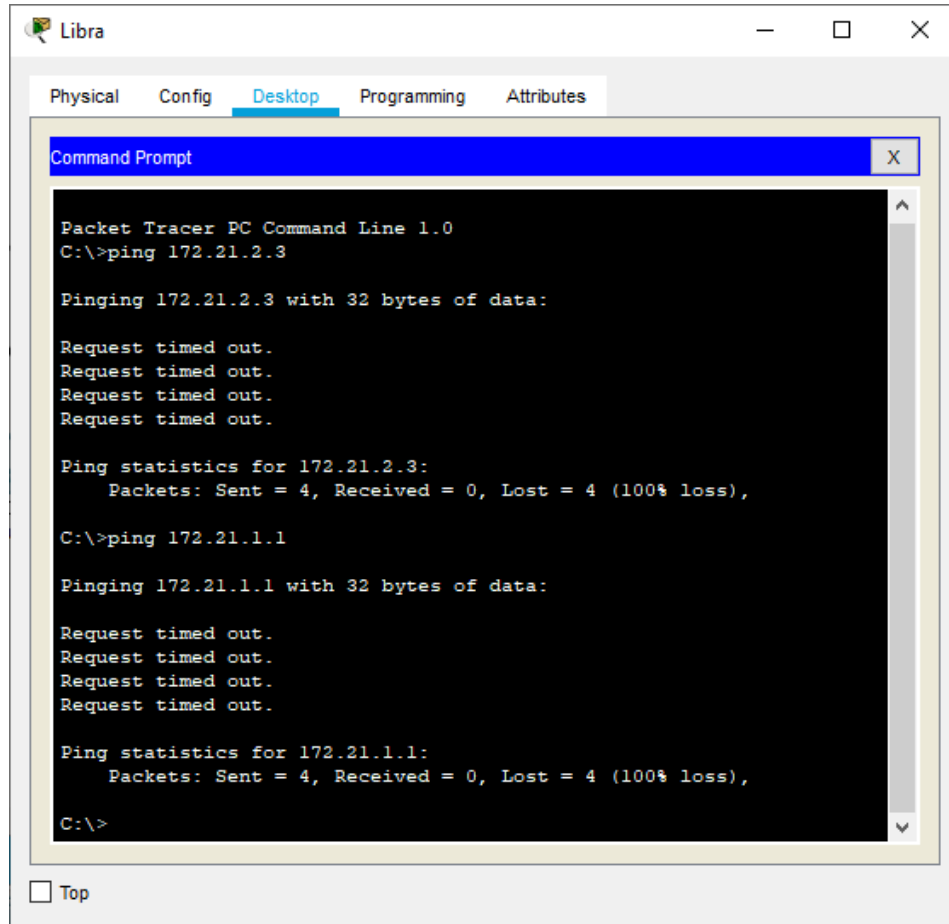
Ping pc leo ke pc aries dan leo ke aquarius



PC Leo ke PC Pisces



PC Libra ke PC Cancer dan PC Libra ke PC Leo



PC Leo dapat berkomunikasi dengan PC Aries karena mempunyai vlan yang sama meski berbeda switch, tapi untuk ke PC Aquarius gagal karena memiliki vlan yang berbeda.