Nama **= CORRY LUQMA ZUNIRA**

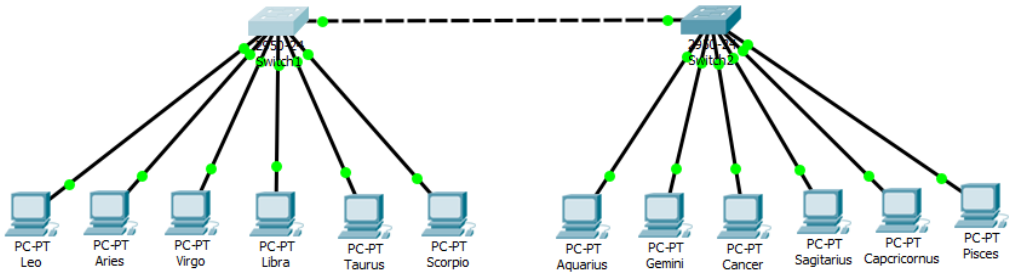
NIM **= L200170152**

Kelas **= D**

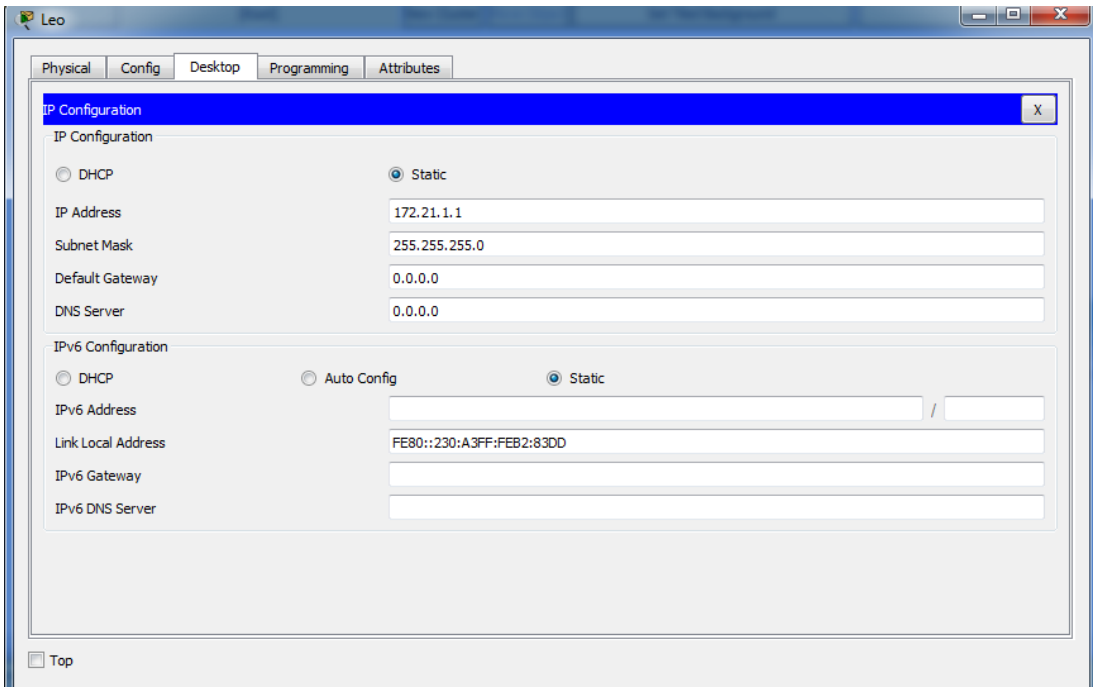
Modul **= 4**

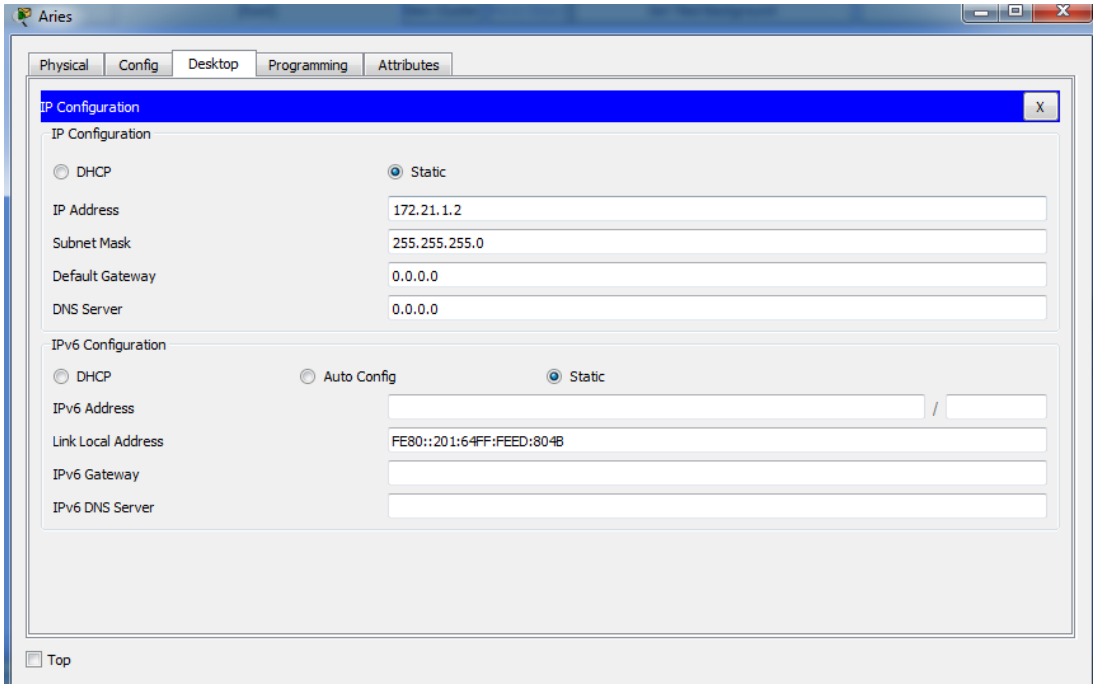
Kegiatan 2. Topologi 2

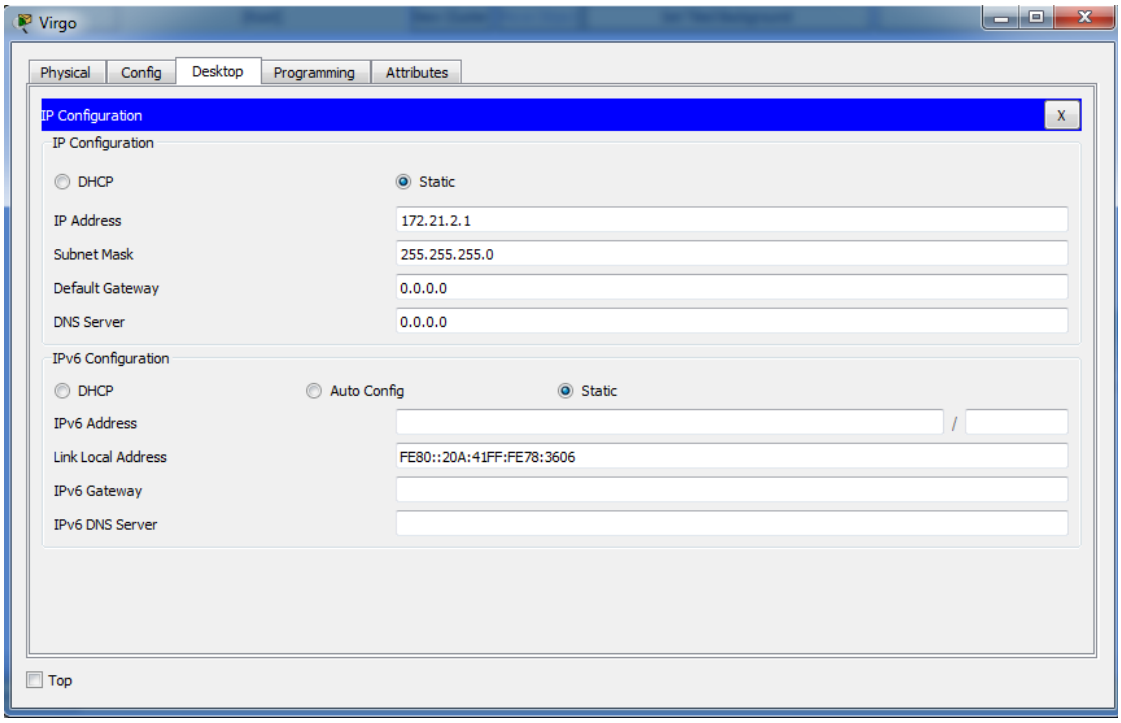
1.



4. Alamat IP masing masing PC.




Aries
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.1.2
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:64FF:FEED:804B
IPv6 Gateway
IPv6 DNS Server
Top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Programming
Attributes
IP Configuration
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IP Configuration
DHCP
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IP Address
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Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
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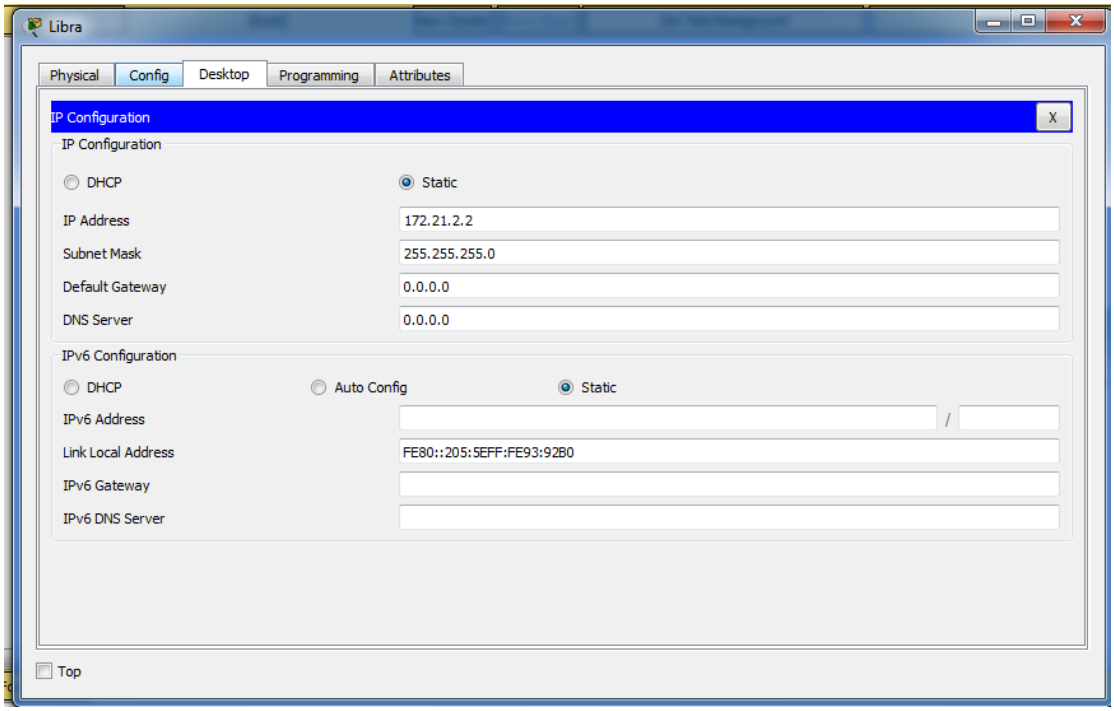
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20A:41FF:FE78:3606
IPv6 Gateway
IPv6 DNS Server
Top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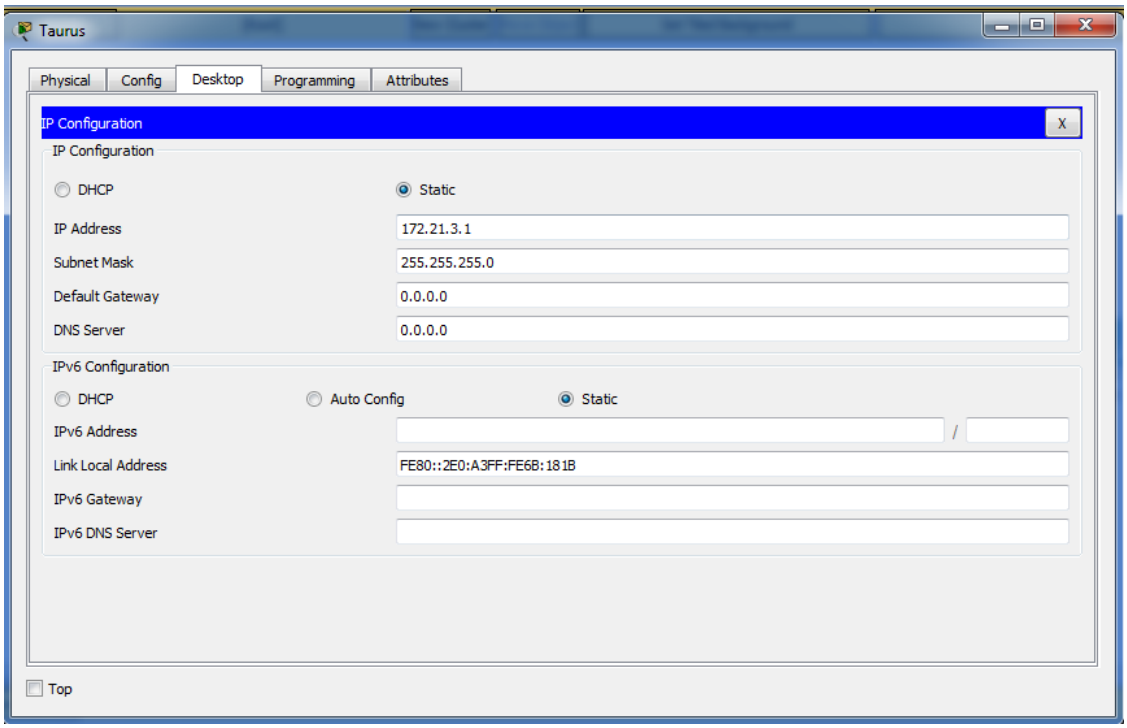
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.2.2
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::205:5EFF:FE93:92B0
IPv6 Gateway
IPv6 DNS Server
Top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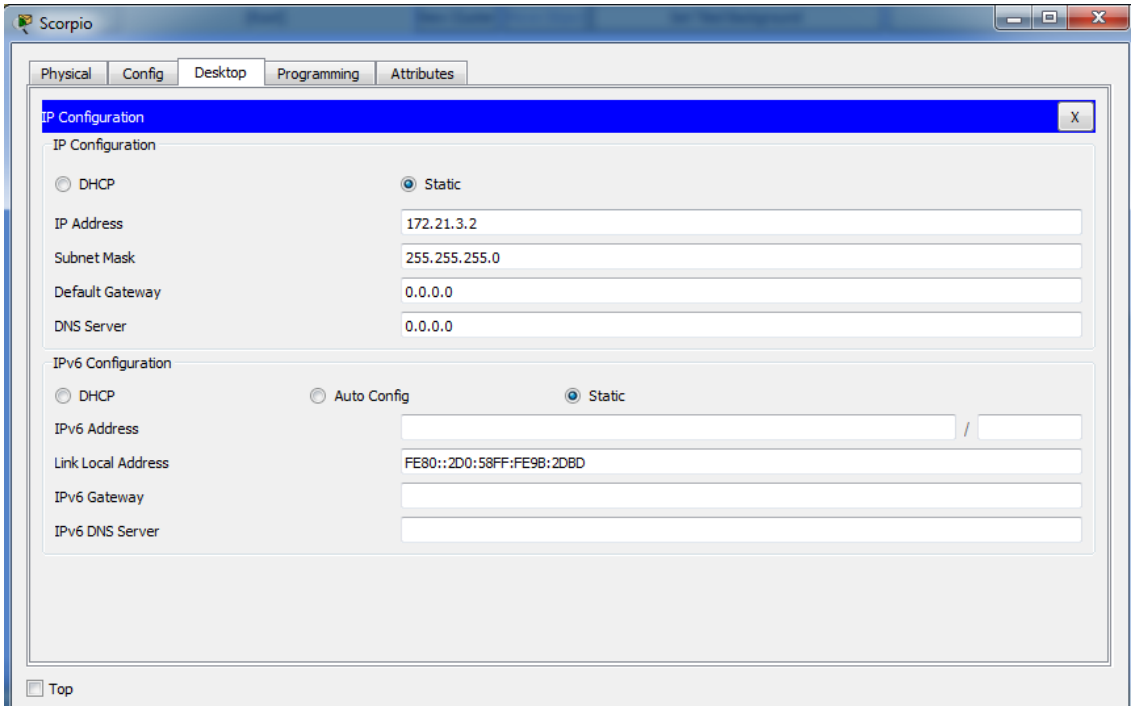
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.3.1
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::2E0:A3FF:FE6B:181B
IPv6 Gateway
IPv6 DNS Server
Top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Desktop
Programming
Attributes
IP Configuration
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IP Configuration
DHCP
Static
IP Address
172.21.3.2
Subnet Mask
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Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
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IPv6 Address
Link Local Address
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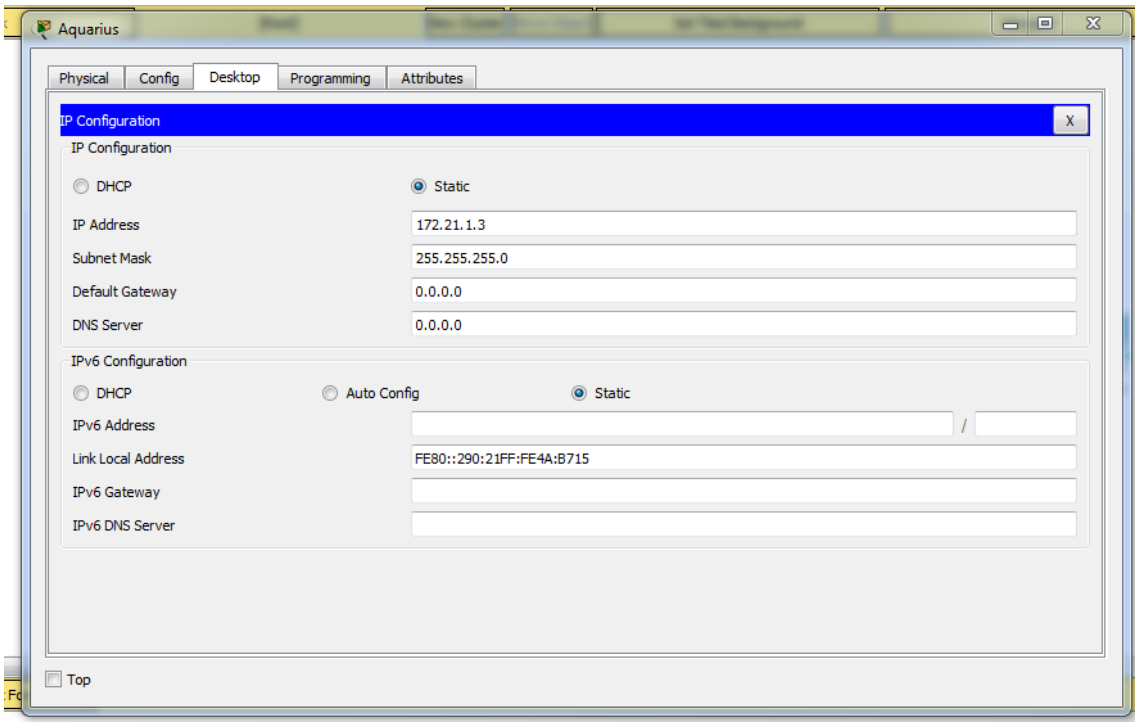
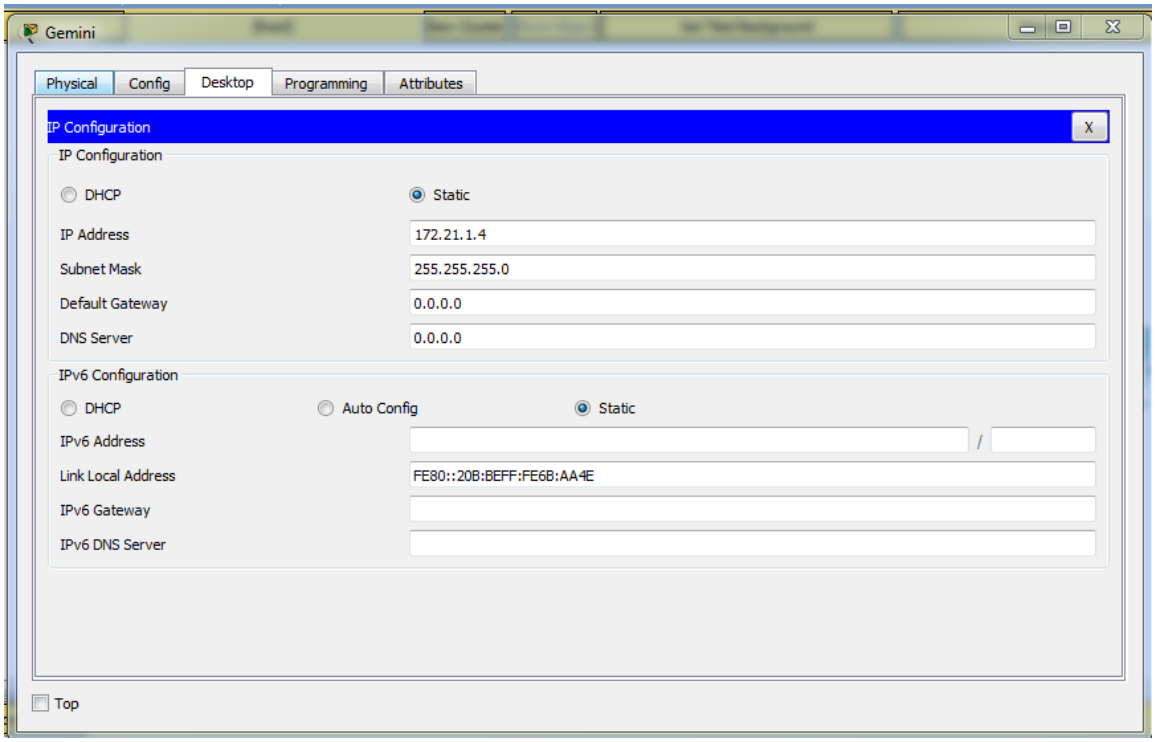
IPv6 Gateway
IPv6 DNS Server
Top


Aquarius
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.1.3
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::290:21FF:FE4A:B715
IPv6 Gateway
IPv6 DNS Server
Top


Gemini
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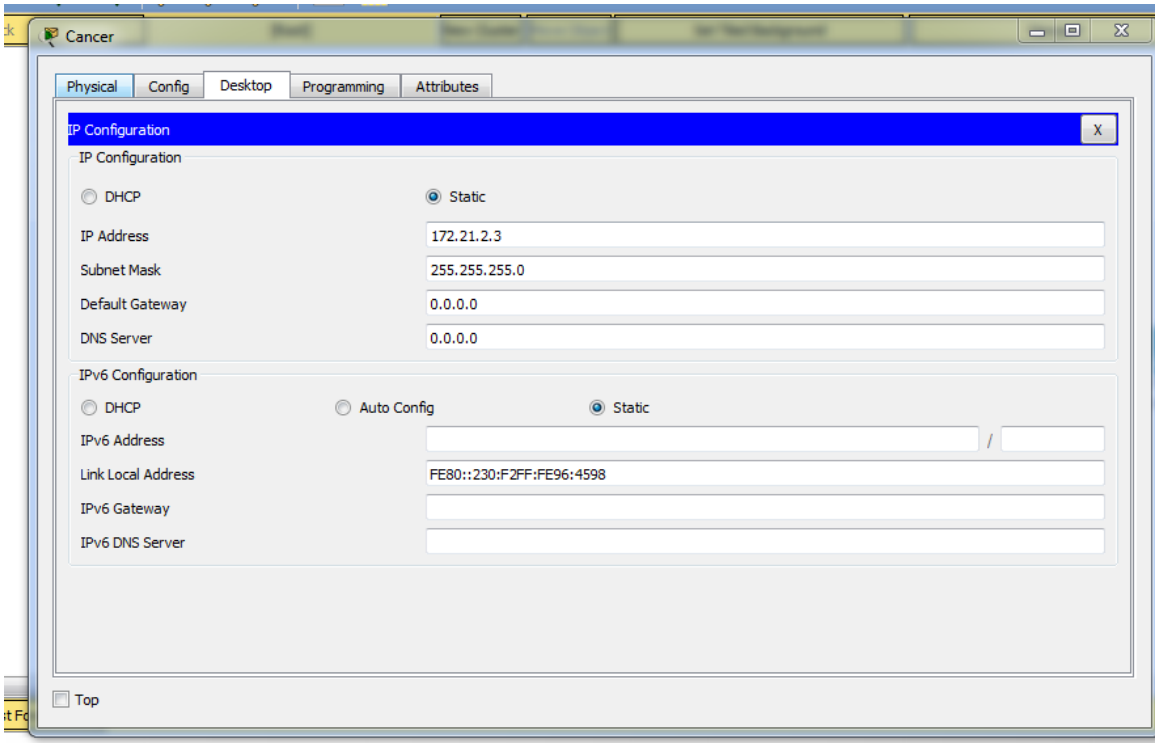
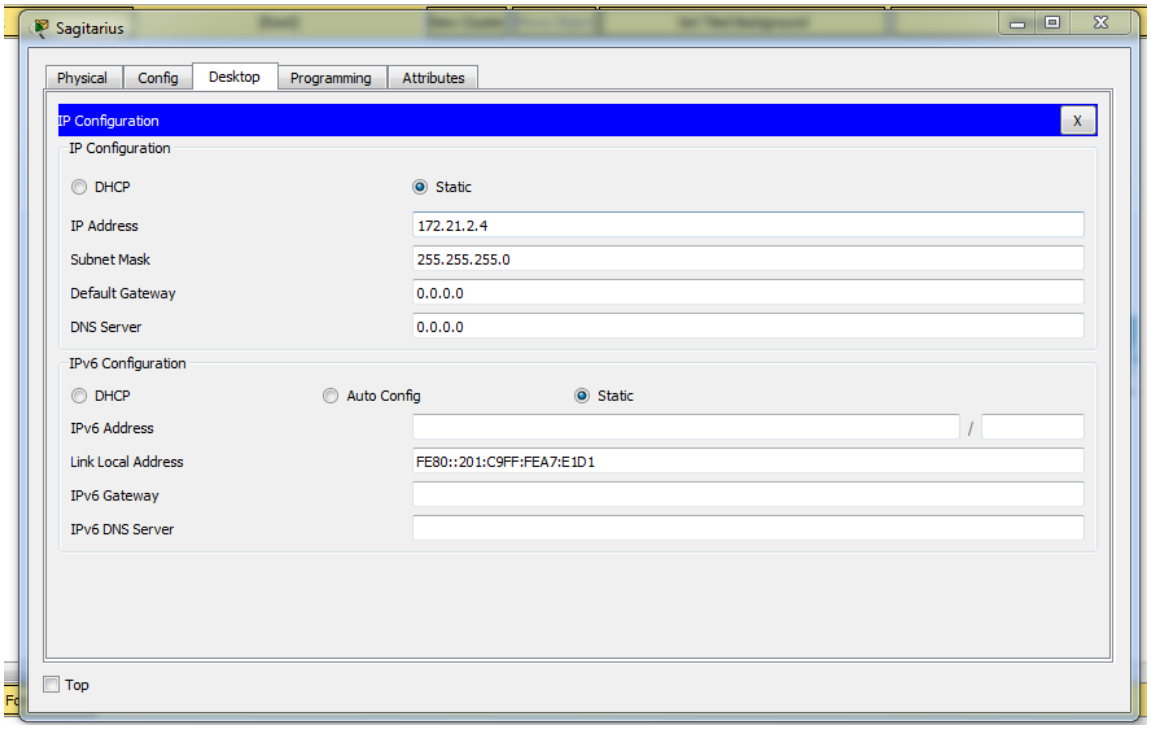
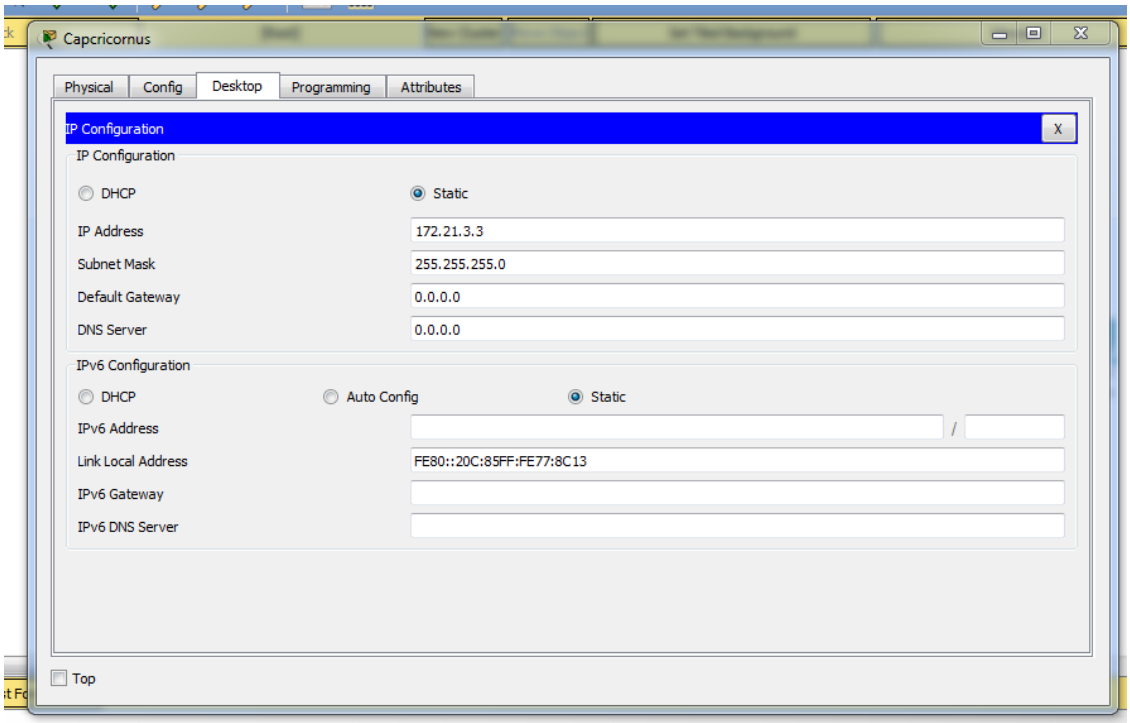
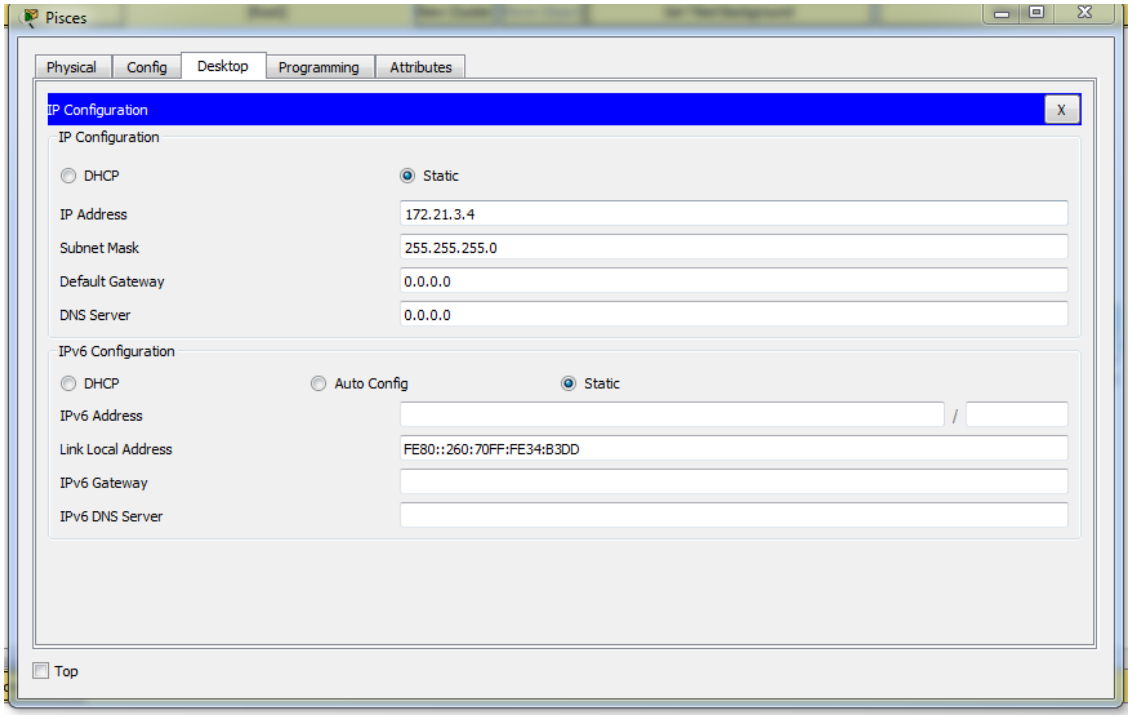
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.1.4
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20B:BEFF:FE6B:AA4E
IPv6 Gateway
IPv6 DNS Server
Top

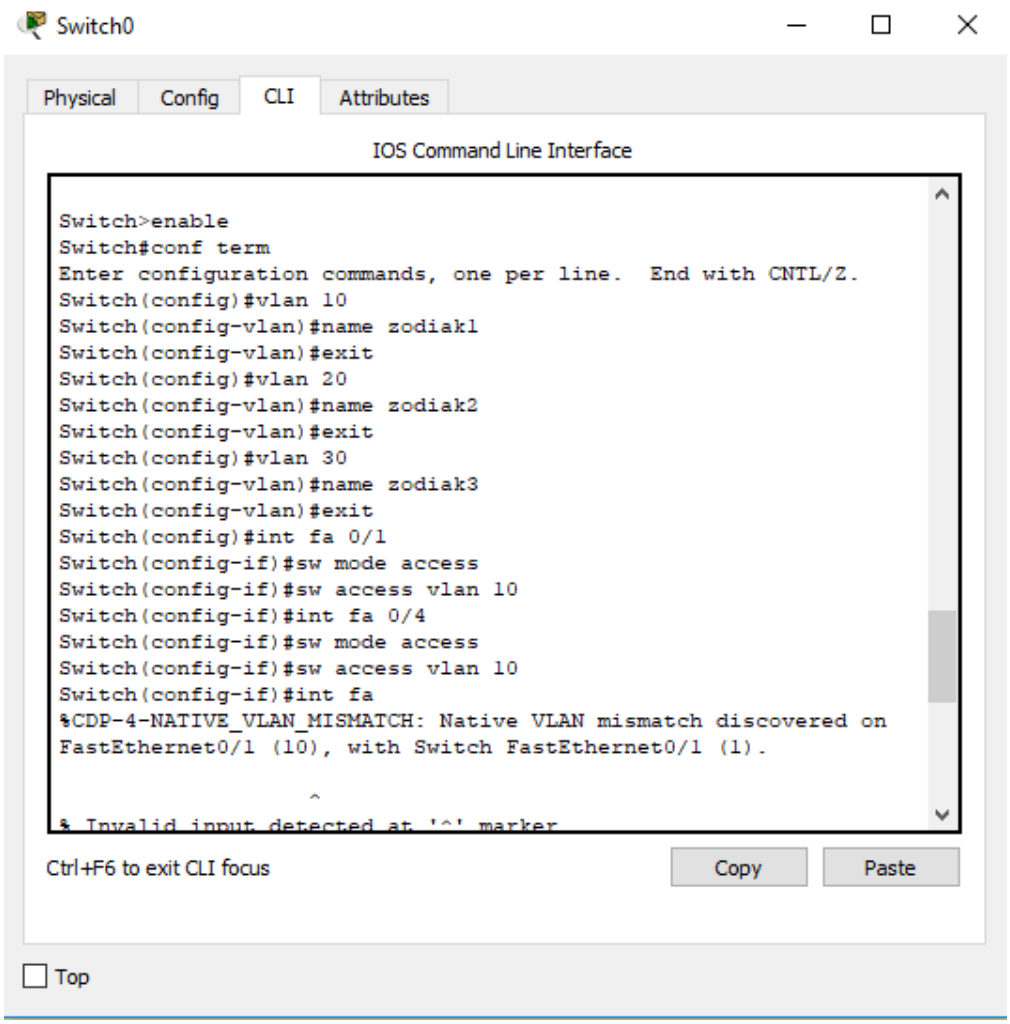

Cancer
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.2.3
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::230:F2FF:FE96:4598
IPv6 Gateway
IPv6 DNS Server
Top

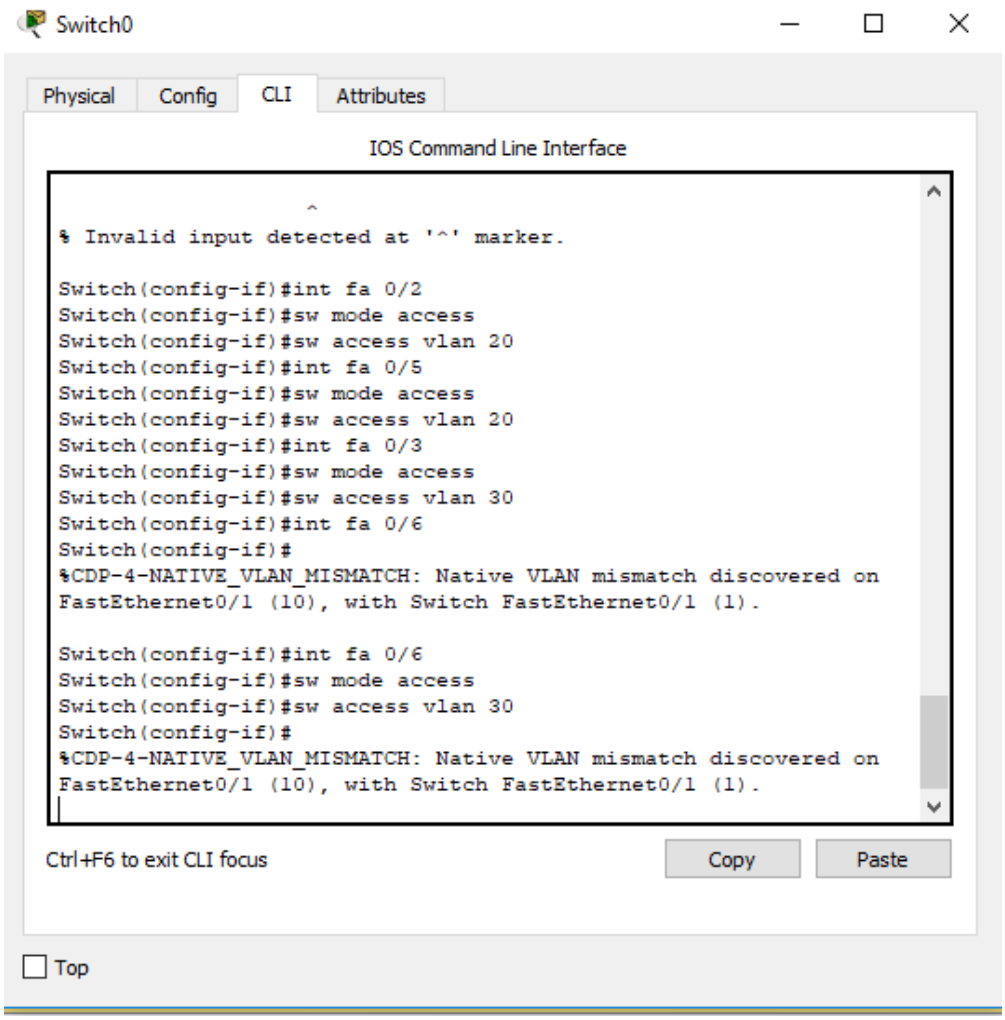

Sagitarius
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.2.4
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:C9FF:FEA7:E1D1
IPv6 Gateway
IPv6 DNS Server
Top


Capcricornus
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
172.21.3.3
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20C:85FF:FE77:8C13
IPv6 Gateway
IPv6 DNS Server
Top

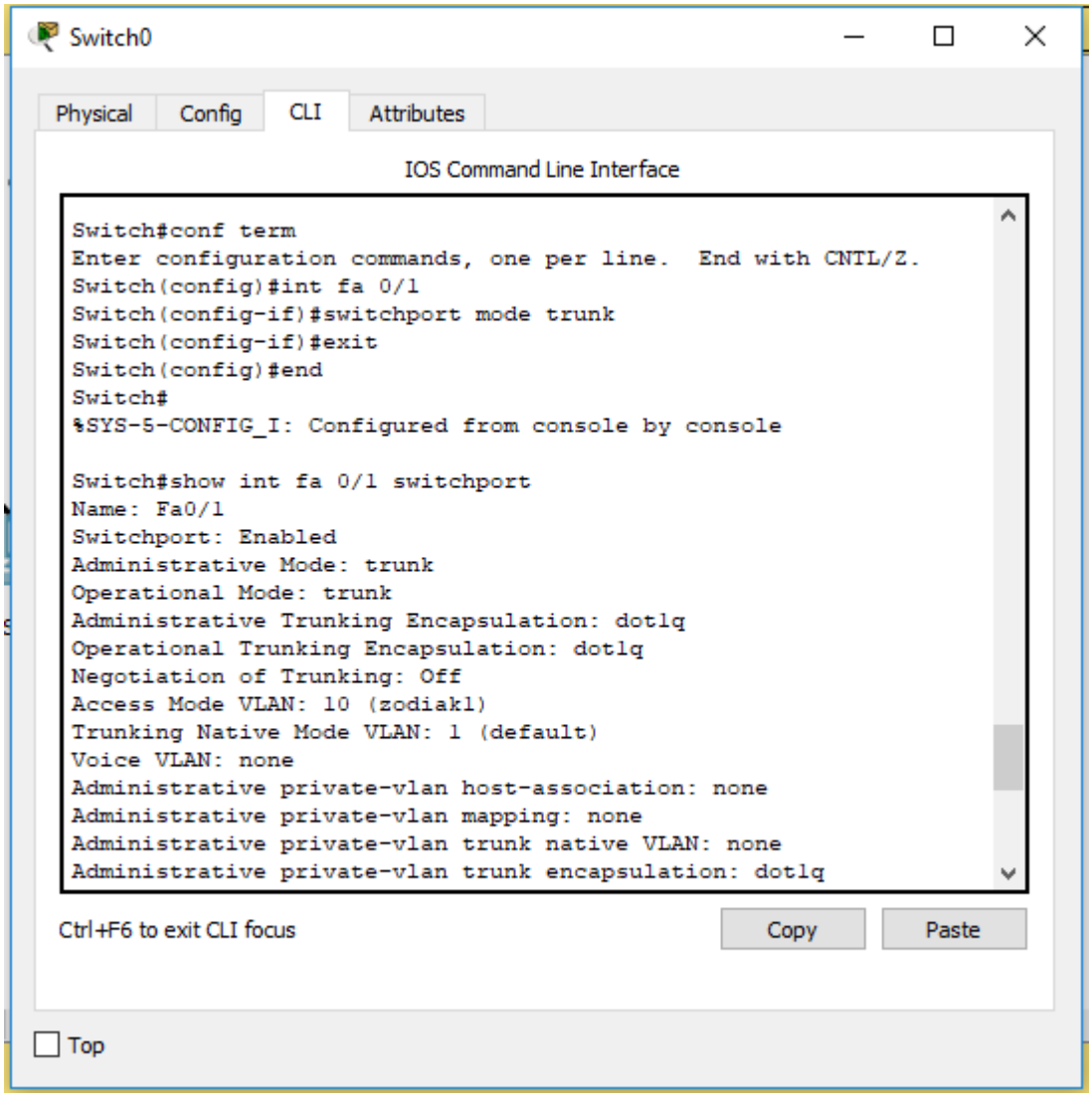


5. Langkah 4 dan 5 untuk switch 1


Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).
^
% Invalid input detected at '^' marker
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

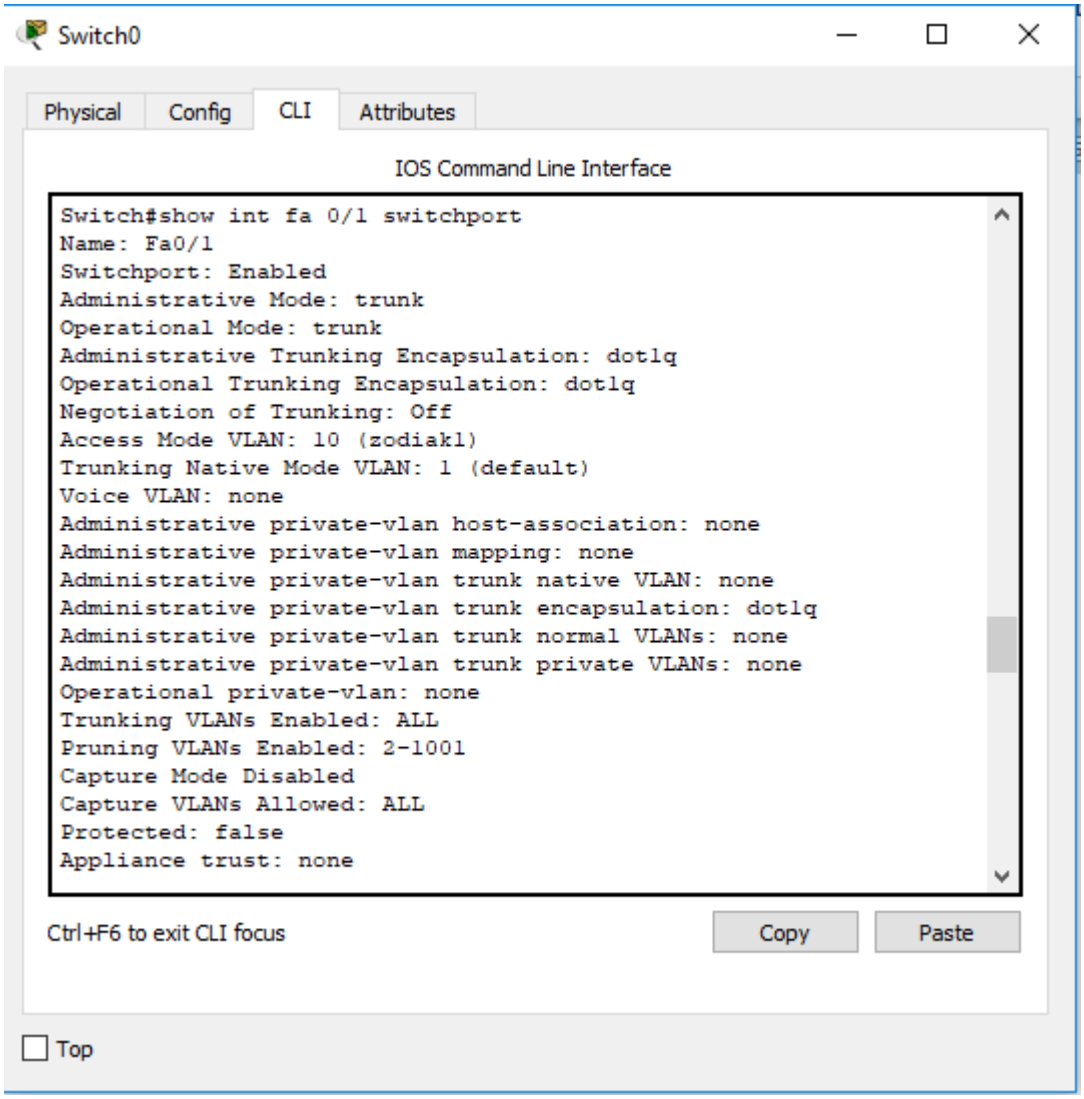


6. Lakukan konfigurasi VLAN trunking pada switch 1

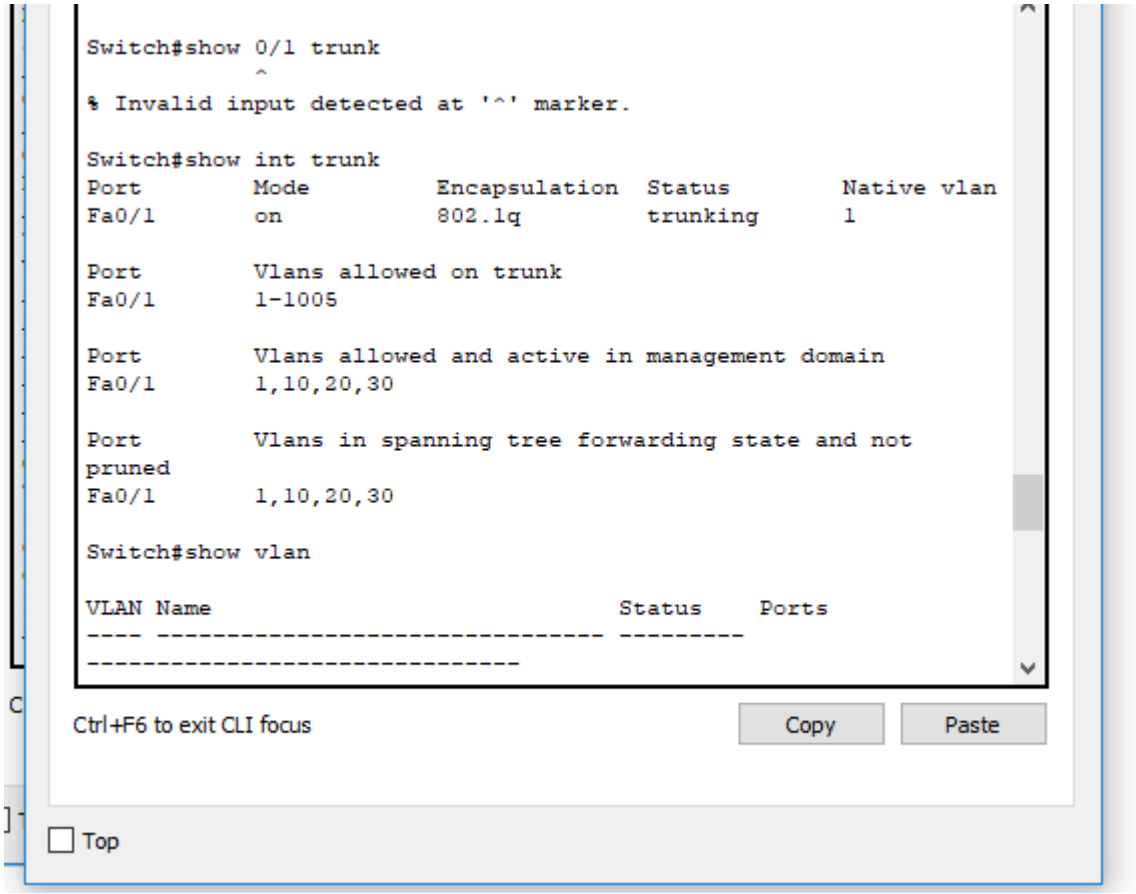


7. Pada mode user atau mode privileged, lihat konfigurasi trunking yang telah dibuat

show interface fastethernet 0/1 switchport

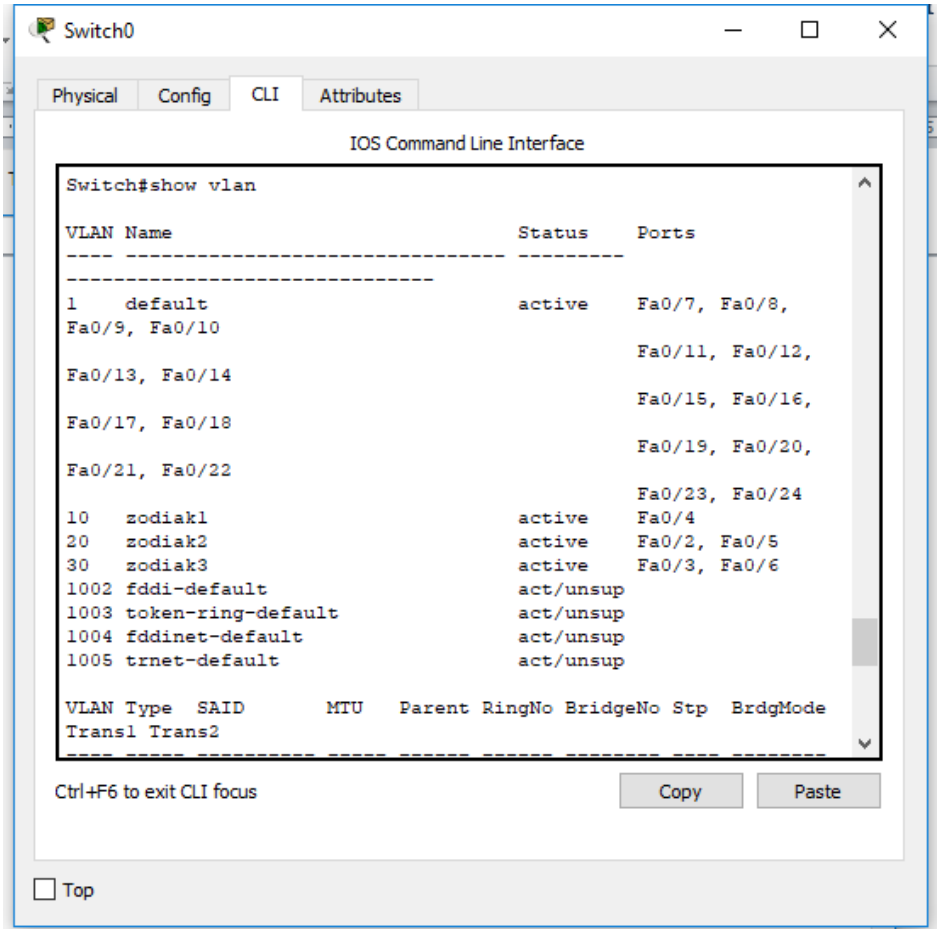


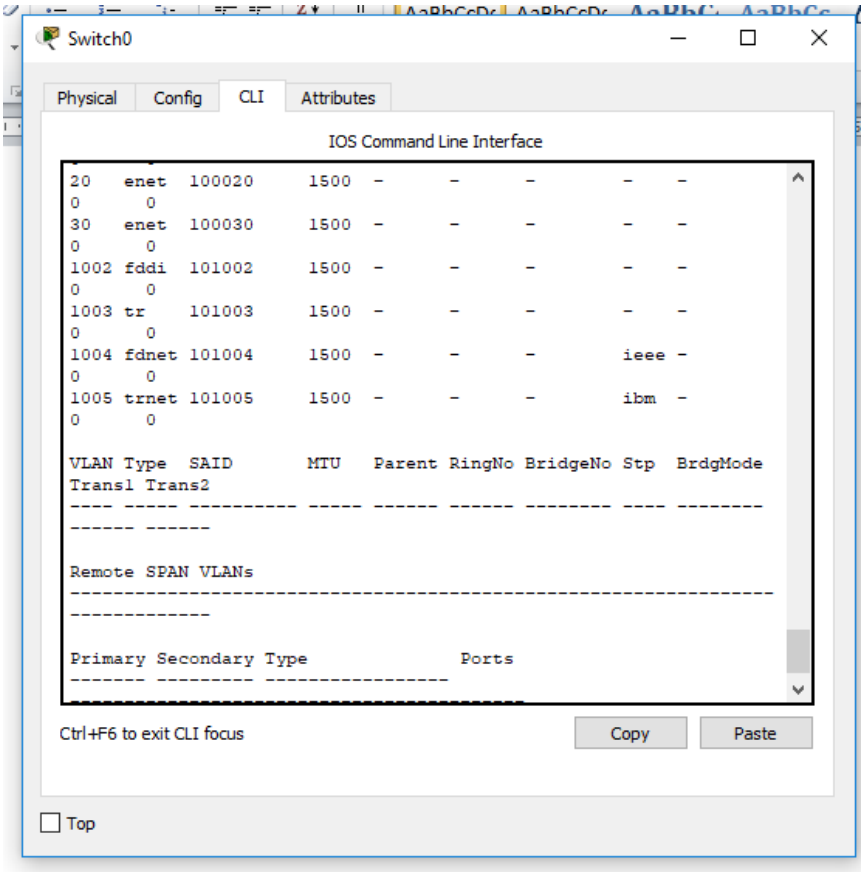
show 0/1 trunk


Switch#show 0/1 trunk
^
% Invalid input detected at '^' marker.
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#show vlan
VLAN Name Status Ports
---- --------------------------------- ---------

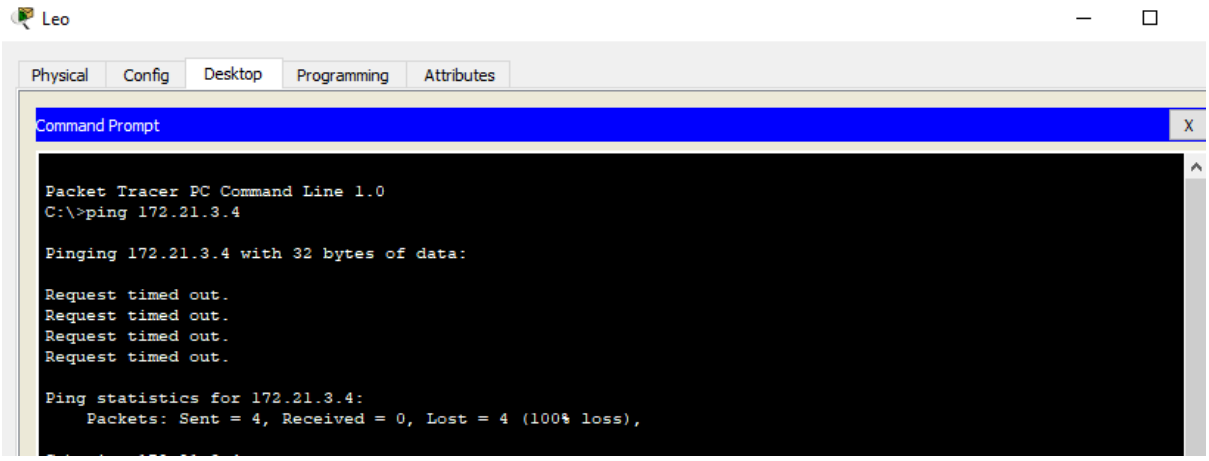
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

show vlan

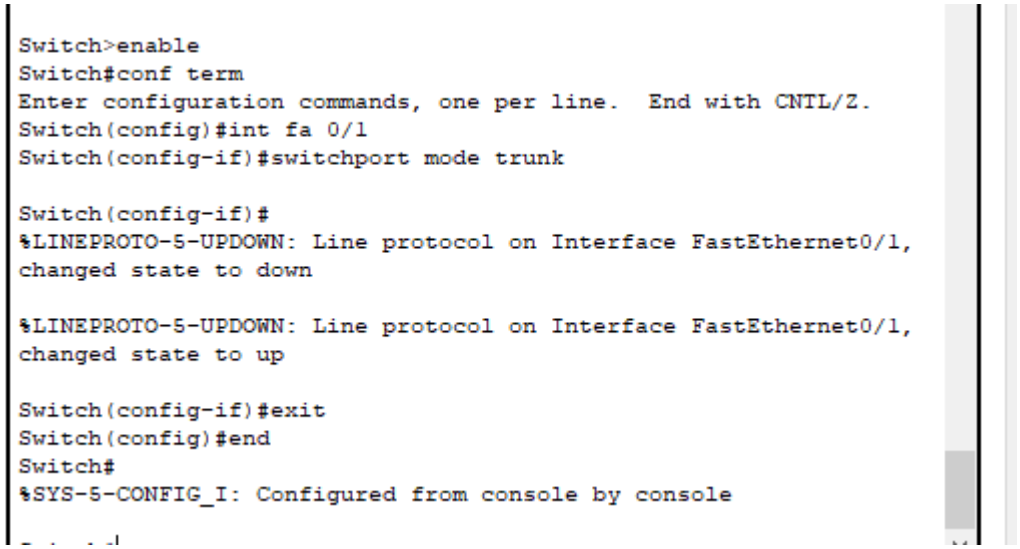

Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch#show vlan
VLAN Name Status Ports
1 default active Fa0/7, Fa0/8, Fa0/9, Fa0/10
Fa0/11, Fa0/12, Fa0/13, Fa0/14
Fa0/15, Fa0/16, Fa0/17, Fa0/18
Fa0/19, Fa0/20, Fa0/21, Fa0/22
Fa0/23, Fa0/24
10 zodiak1 active Fa0/4
20 zodiak2 active Fa0/2, Fa0/5
30 zodiak3 active Fa0/3, Fa0/6
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
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 - - - ieee - 0 0
1005 trnet 101005 1500 - - - ibm - 0 0
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2
Remote SPAN VLANs
Primary Secondary Type Ports
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

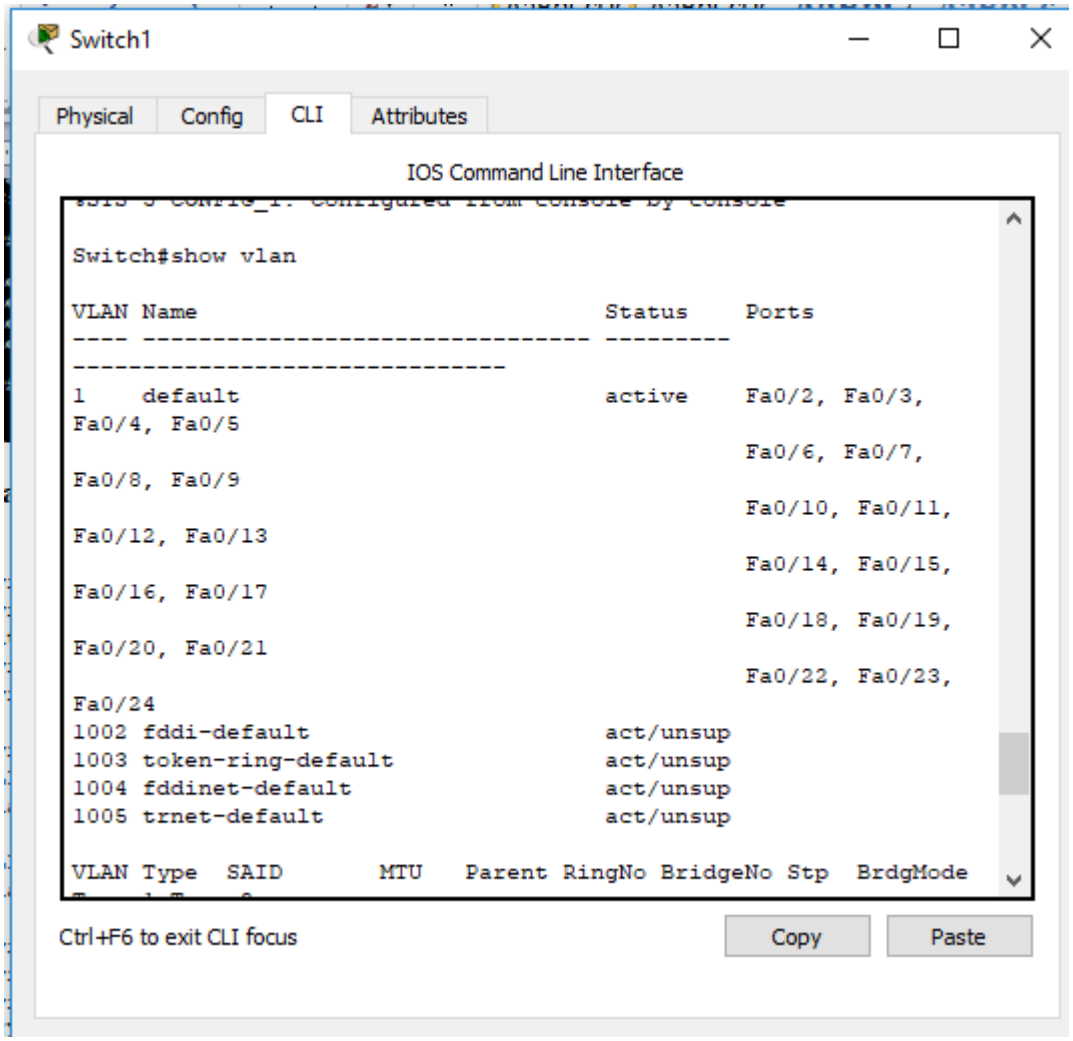
8. Lakukan Ping dari PC leo ke PC pisces

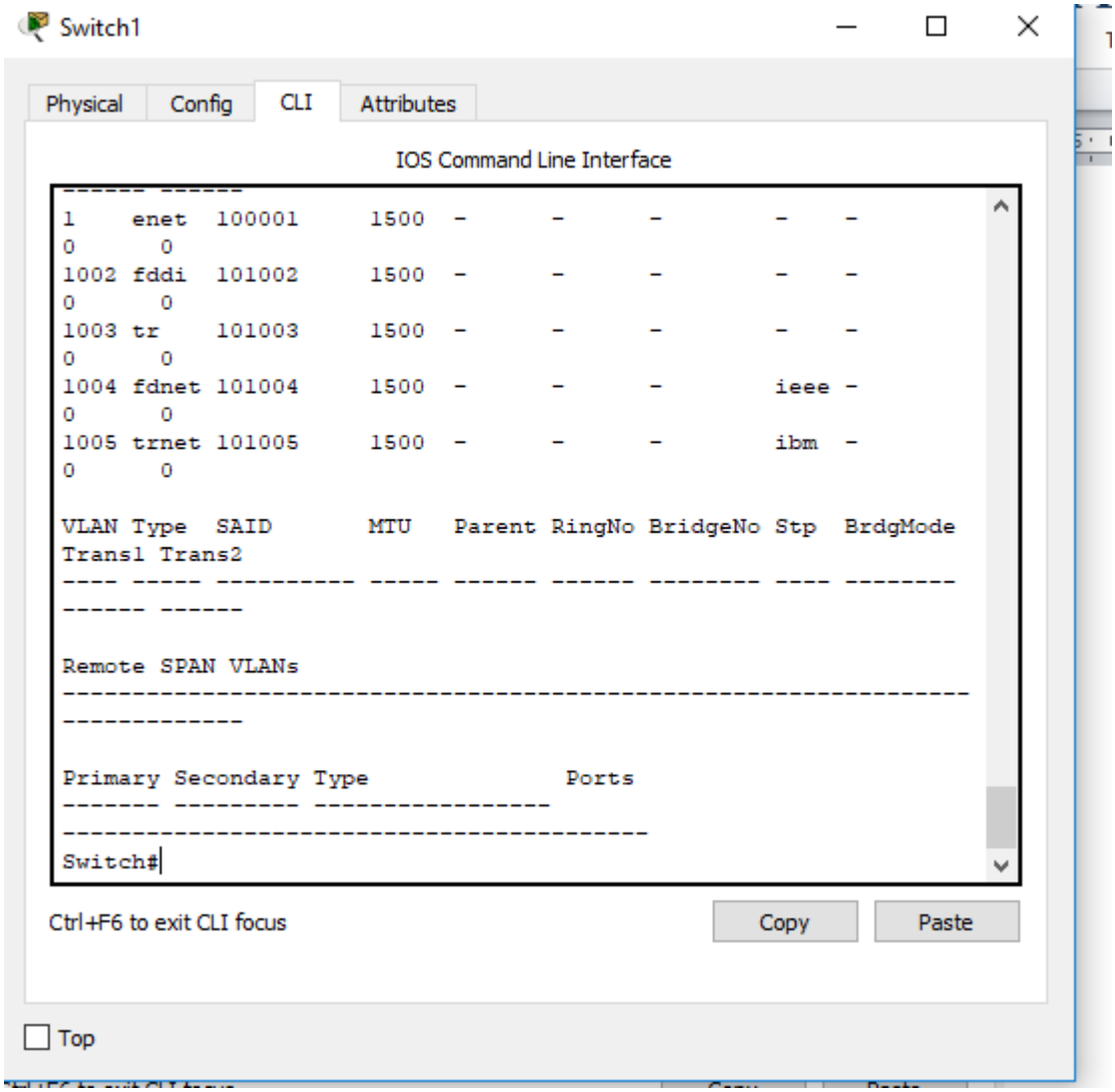


9. Lakukan konfigurasi VLAN trunking pada switch 2



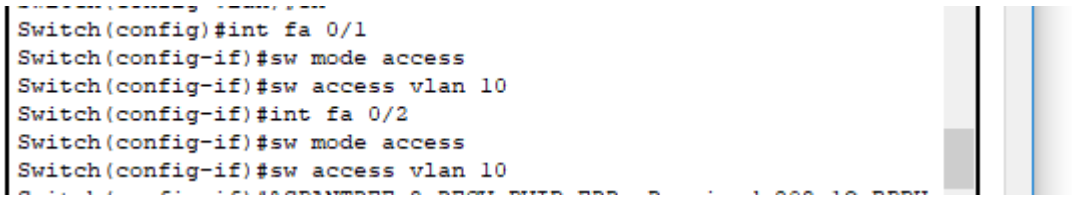
10. Pada mode user atau mode privileged , lihat konfigurasi vlan pada switch 2


Switch1
Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch#show vlan
VLAN Name Status Ports
---- -------------------------------- --------- -------------------------------
1 default active Fa0/2, Fa0/3, Fa0/4, Fa0/5
Fa0/6, 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
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode
Ctrl+F6 to exit CLI focus
Copy
Paste

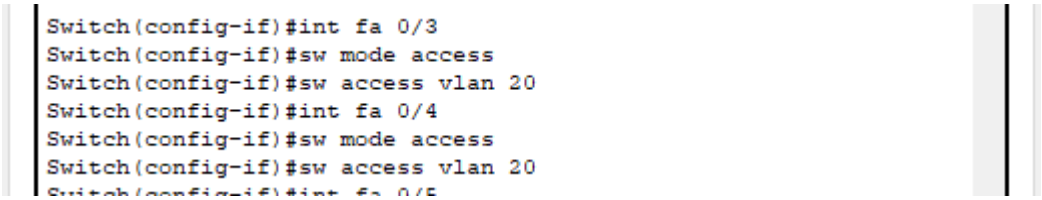


11. Pada konfigurasi port-port switch ke dalam VLAN zodiak 1, zodiak2 dan zodiak3

zodiak1



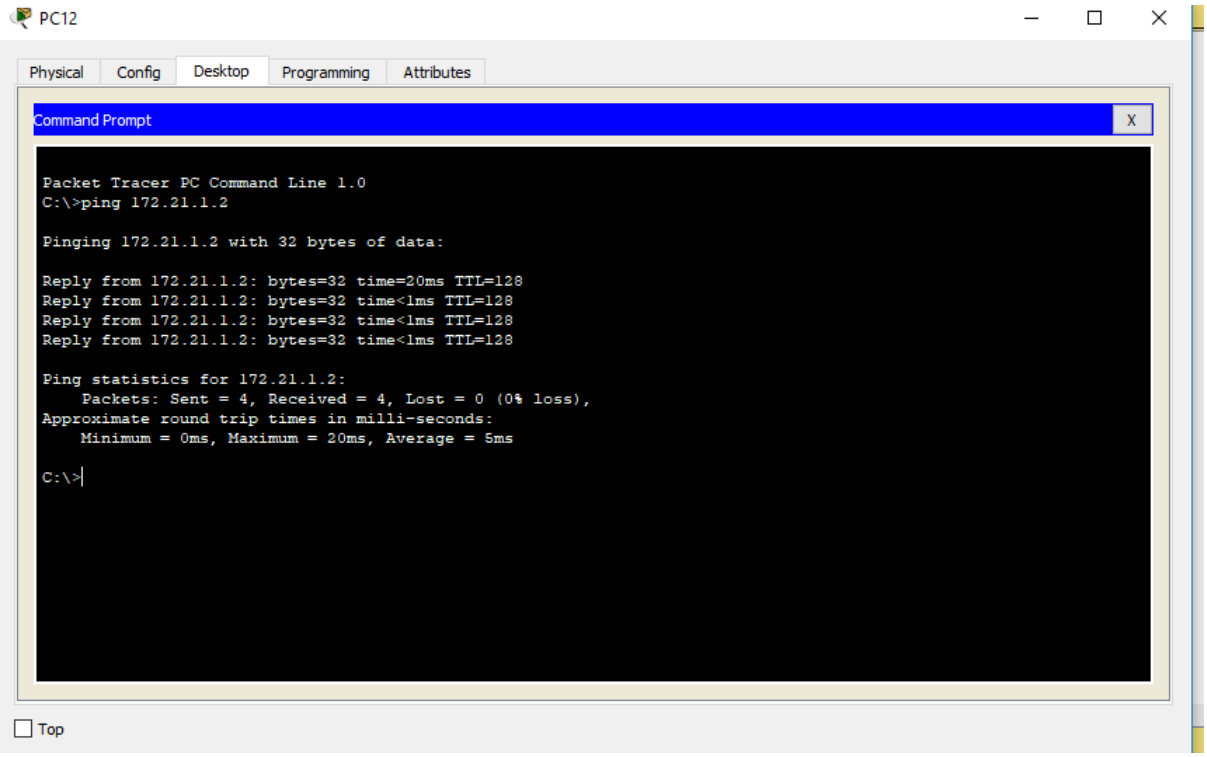
zodiak2



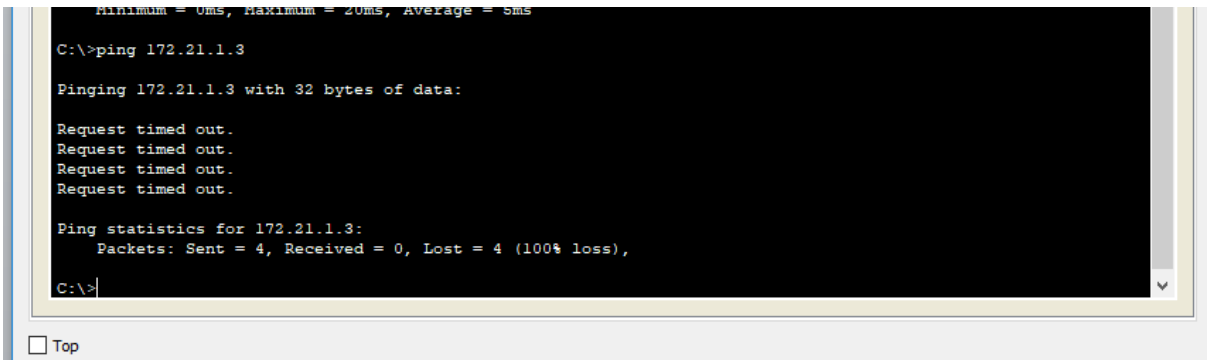
zodiak3

```
Switch(config-if)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#int fa
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/1 (10), with Switch FastEthernet0/sw access vlan 30
Switch(config-if)#int fa 0/6
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
```

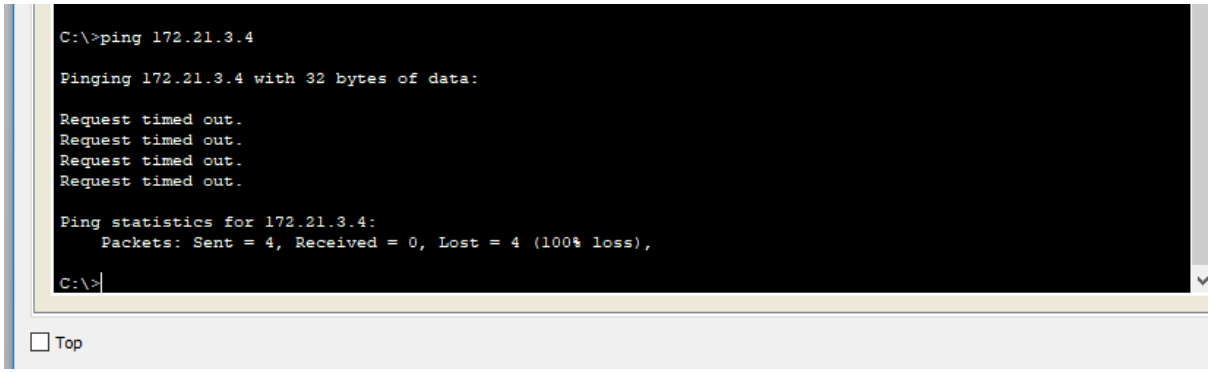
12. Ping PC Leo ke PC aries



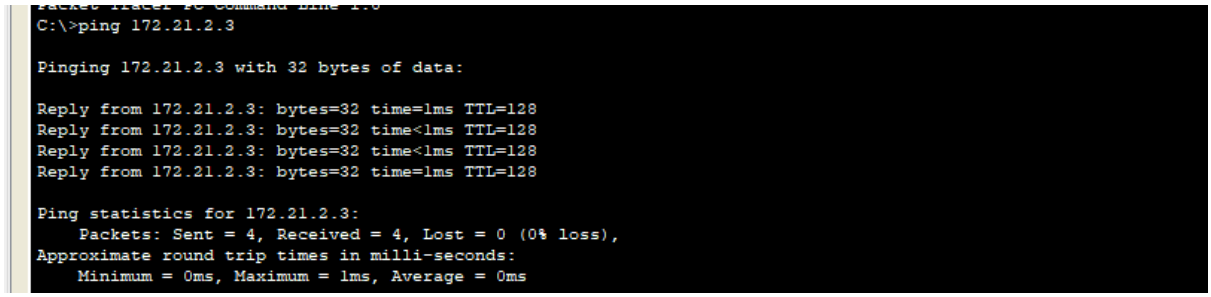
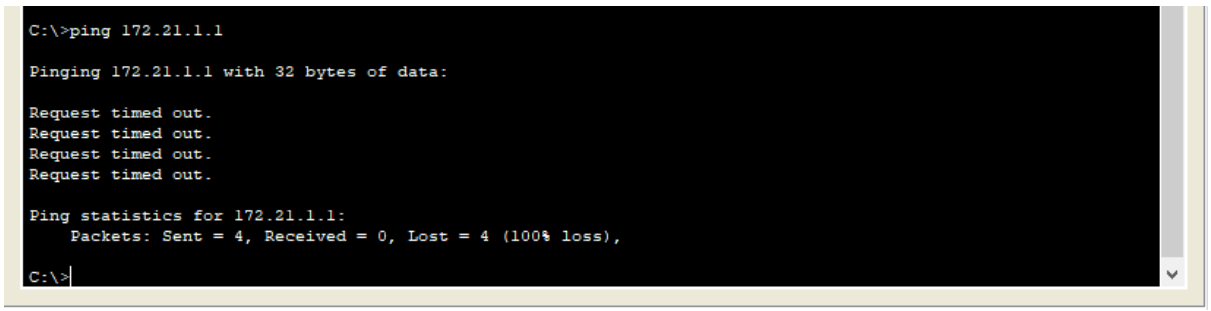
Ping PC Leo ke Aquarius



Ping PC Leo ke Pisces



Ping Libra ke Cancer



Ping Libra ke Leo