

Nama : Aldo Brian Granada

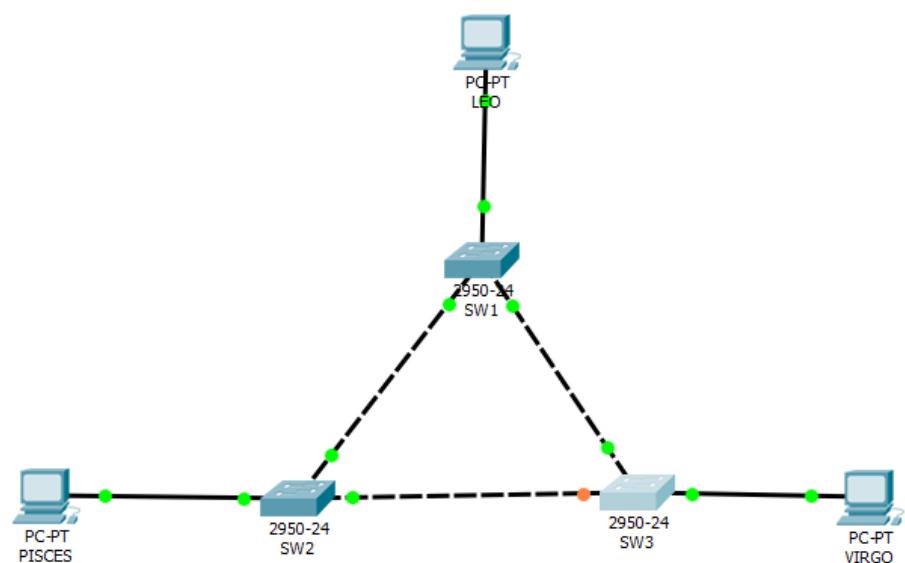
NIM : L200170182

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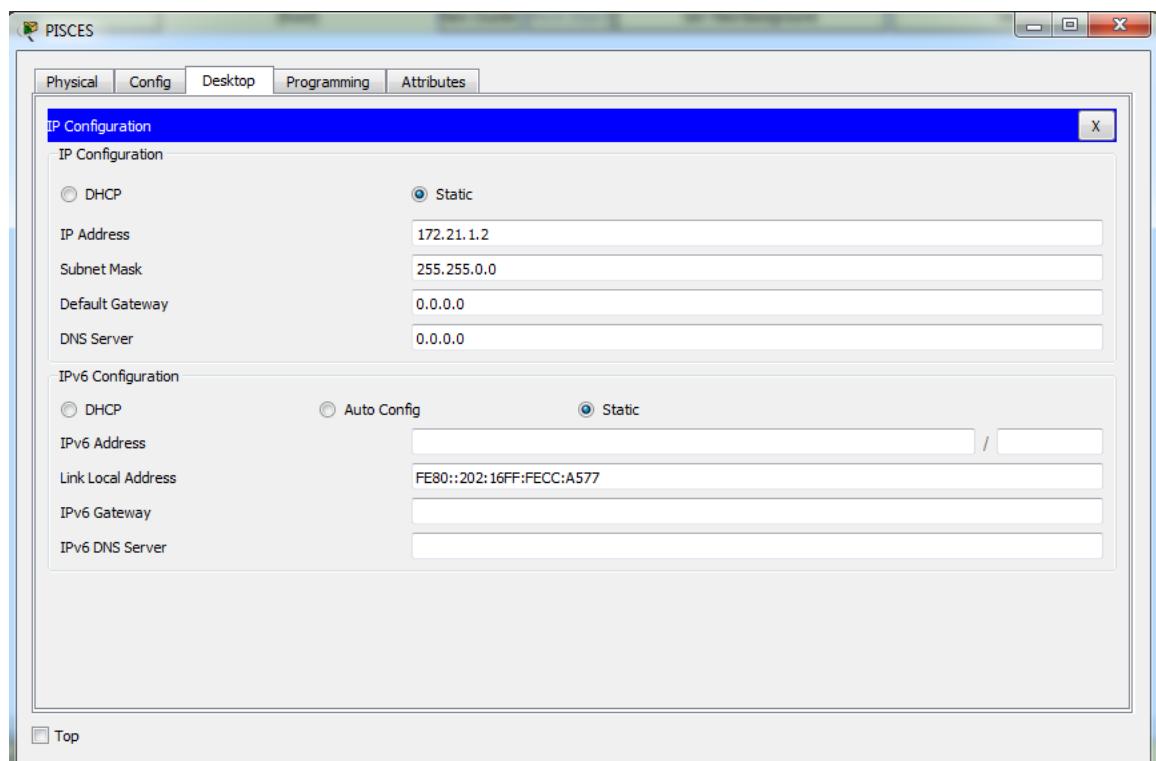
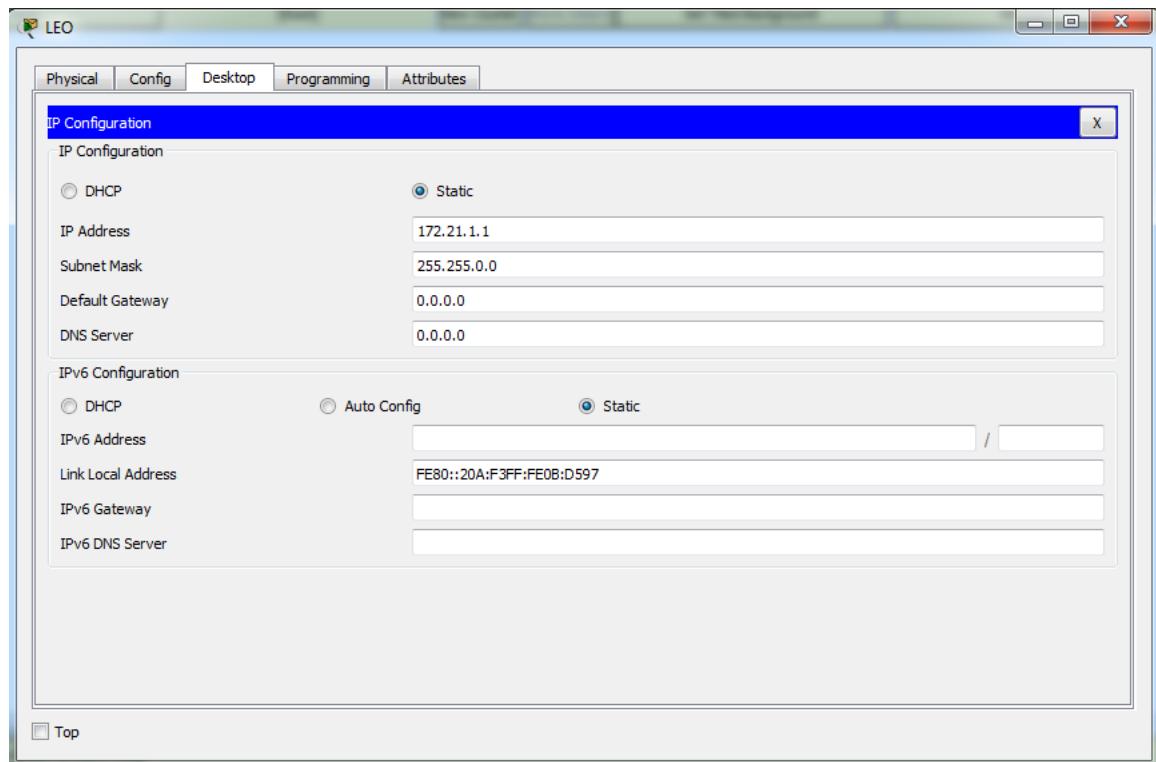
Laporan Praktikum Jaringan Komputer

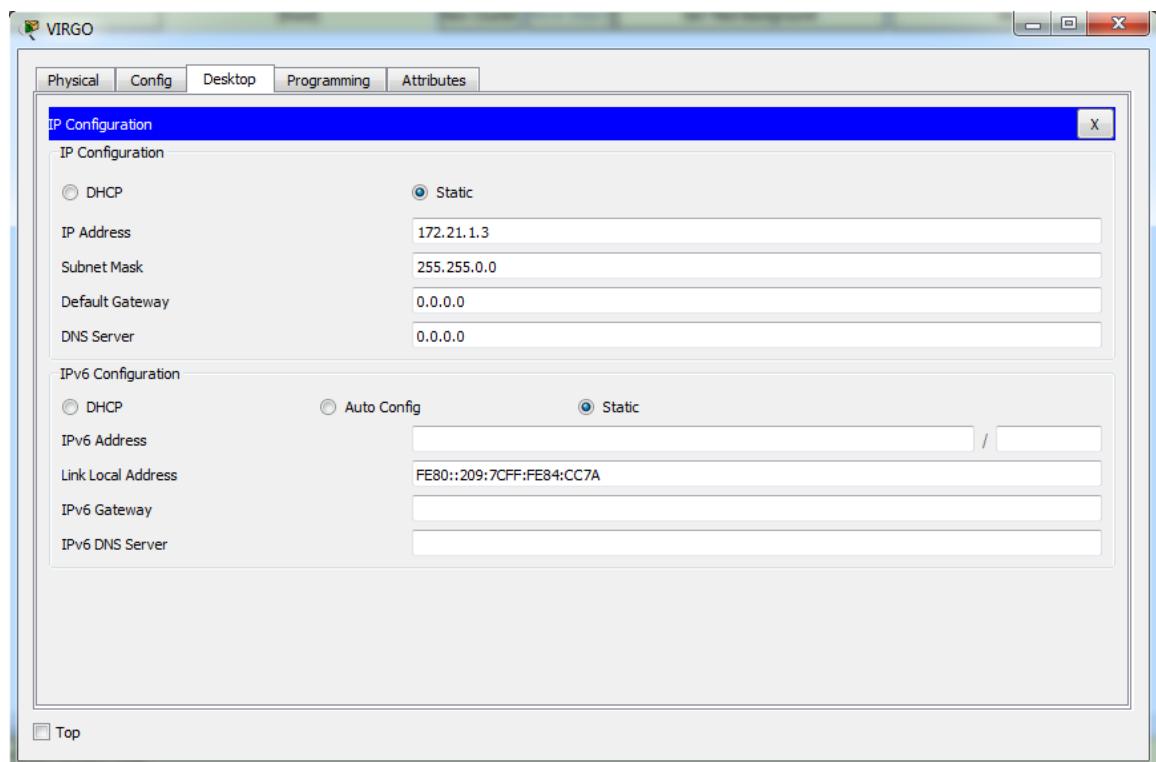
Modul 6

Kegiatan 1 :



IP Address pada setiap PC





Hasil *show spanning-tree* pada setiap switch

The screenshot shows a Cisco Network Assistant window titled "SW1". The window has tabs at the top: Physical, Config, CLI, and Attributes. The CLI tab is selected, displaying the "IOS Command Line Interface". The output of the "show spanning-tree" command is shown in the interface:

```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority      32769
              Address       0001.4361.977C
              This bridge is the root
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
              sec

  Bridge ID  Priority      32769  (priority 32768 sys-id-ext 1)
              Address       0001.4361.977C
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
              sec
              Aging Time   20

  Interface      Role Sts Cost      Prio.Nbr Type
  ----- -----
  Fa0/1          Desg FWD 19      128.1      P2p
  Fa0/2          Desg FWD 19      128.2      P2p
  Fa0/3          Desg FWD 19      128.3      P2p

Switch#
```

At the bottom of the CLI window, there is a message: "Ctrl+F6 to exit CLI focus". To the right of this message are two buttons: "Copy" and "Paste". Below the CLI window, there is a checkbox labeled "Top".

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show spanning-tree
APPLY completed.
Exiting...
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority      32769
                Address       0001.4361.977C
                Cost          19
                Port         2 (FastEthernet0/2)
                Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
                sec

    Bridge ID  Priority      32769  (priority 32768 sys-id-ext 1)
                Address       0001.962A.D632
                Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
                sec
                Aging Time   20

    Interface   Role Sts Cost      Prio.Nbr Type
    -----  -----
    Fa0/1       Desg FWD 19      128.1      P2p
    Fa0/2       Root FWD 19      128.2      P2p
    Fa0/3       Desg FWD 19      128.3      P2p

Switch#
```

Ctrl+F6 to exit CLI focus

Top

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
APPLY completed.
Exiting.....
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority      32769
              Address       0001.4361.977C
              Cost          19
              Port          2 (FastEthernet0/2)
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
              sec

  Bridge ID  Priority      32769  (priority 32768 sys-id-ext 1)
              Address       0002.4A3E.8137
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15
              sec
              Aging Time   20

  Interface   Role Sts Cost      Prio.Nbr Type
  -----      --- -- - - - -
  Fa0/1        Desg FWD 19      128.1      P2p
  Fa0/2        Root FWD 19      128.2      P2p
  Fa0/3        Altn BLK 19      128.3      P2p

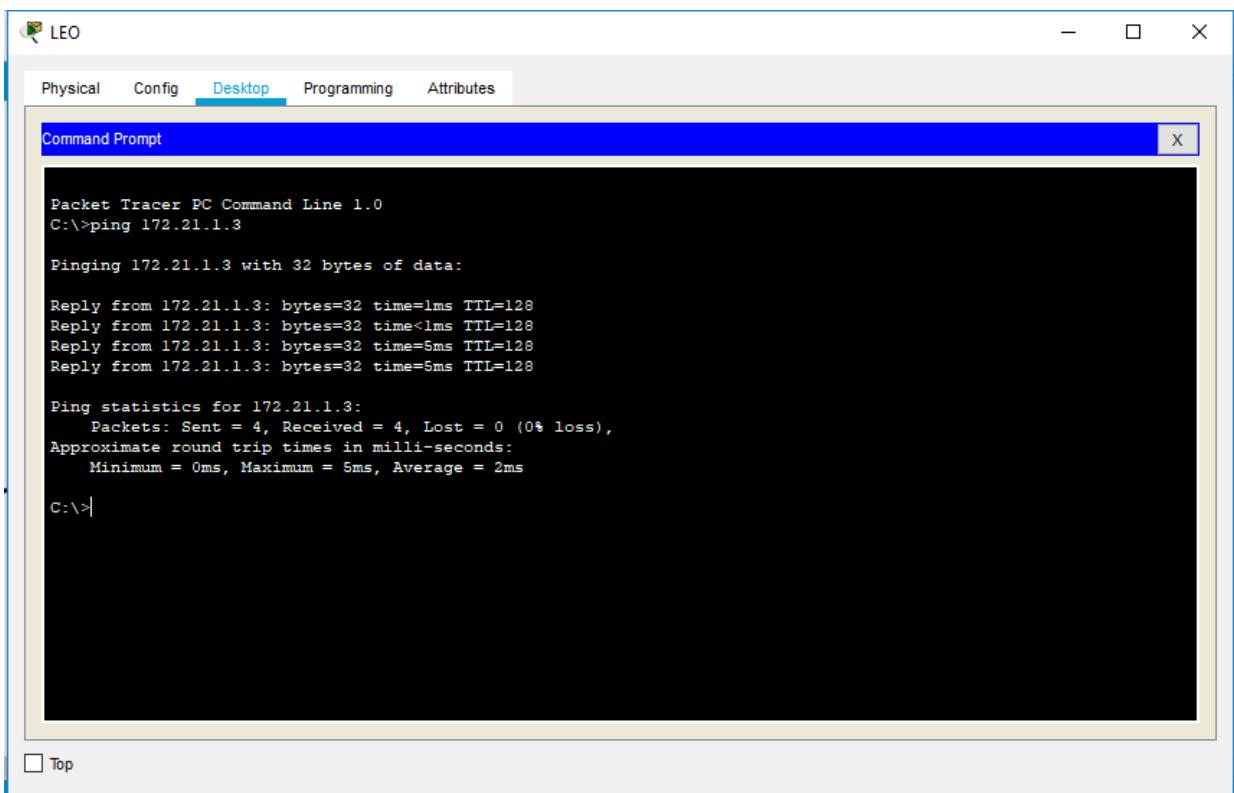
Switch#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Tes Ping Leo ke Virgo



Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

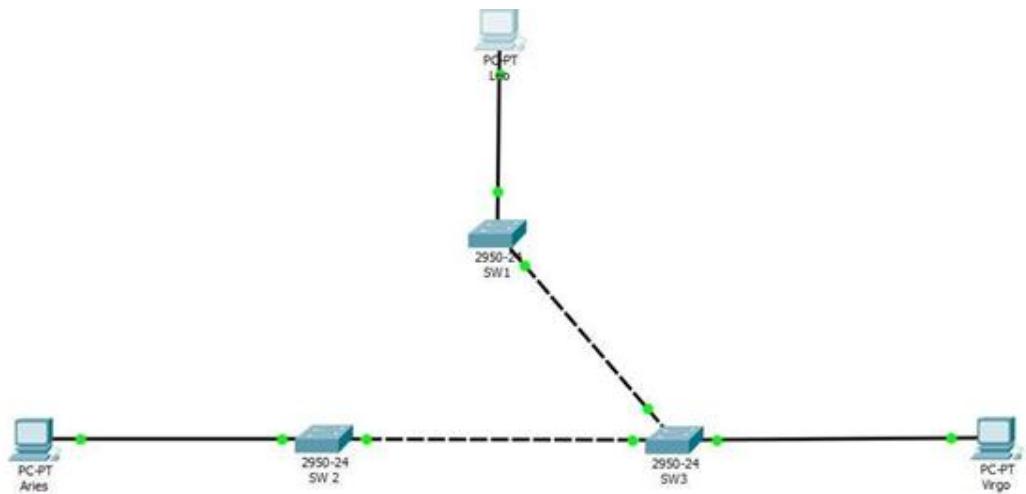
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=5ms TTL=128
Reply from 172.21.1.3: bytes=32 time=5ms TTL=128

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 = 5ms, Average = 2ms

C:\>

Top

Kegiatan 2 :



Pengecekan spanning-tree

SW1

Physical Config **CLI** Attributes

IOS Command Line Interface

```
documentation for configuring VTP/VLAN in config mode.

Switch(vlan)#exit
APPLY completed.
Exiting.....
Switch#show spanning-tree
VLAN0001
    Spanning tree enabled protocol ieee
    Root ID    Priority    32769
                Address     0003.E4E7.056A
                This bridge is the root
                Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
                Address     0003.E4E7.056A
                Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec
                Aging Time   20

    Interface      Role Sts Cost      Prio.Nbr Type
    -----  -----
    Fa0/1          Desg FWD 19      128.1    P2p
    Fa0/2          Desg FWD 19      128.2    P2p

Switch#
```

Ctrl+F6 to exit CLI focus

Top

SW2

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch(vlan)#exit
APPLY completed.
Exiting.....
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID      Priority    32769
                  Address     0003.E4E7.056A
                  Cost        19
                  Port        2 (FastEthernet0/2)
                  Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID   Priority    32769  (priority 32768 sys-id-ext 1)
                  Address     0060.3EC5.6788
                  Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
                  Aging Time  20

  Interface      Role Sts Cost      Prio.Nbr Type
  -----  -----  -----  -----  -----
  Fa0/2          Root FWD 19      128.2    P2p
  Fa0/3          Desg FWD 19      128.3    P2p
  Fa0/1          Desg FWD 19      128.1    P2p

Switch#
```

Ctrl+F6 to exit CLI focus

 Top

SW3

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch(vlan)#exit
APPLY completed.
Exiting.....
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority      32769
              Address       0003.E4E7.056A
              Cost          38
              Port          2 (FastEthernet0/2)
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority      32769  (priority 32768 sys-id-ext 1)
              Address       00E0.B0C8.D0B1
              Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time   20

  Interface      Role Sts Cost      Prio.Nbr Type
  -----  -----
  Fa0/1          Desg FWD 19      128.1    P2p
  Fa0/2          Root FWD 19      128.2    P2p

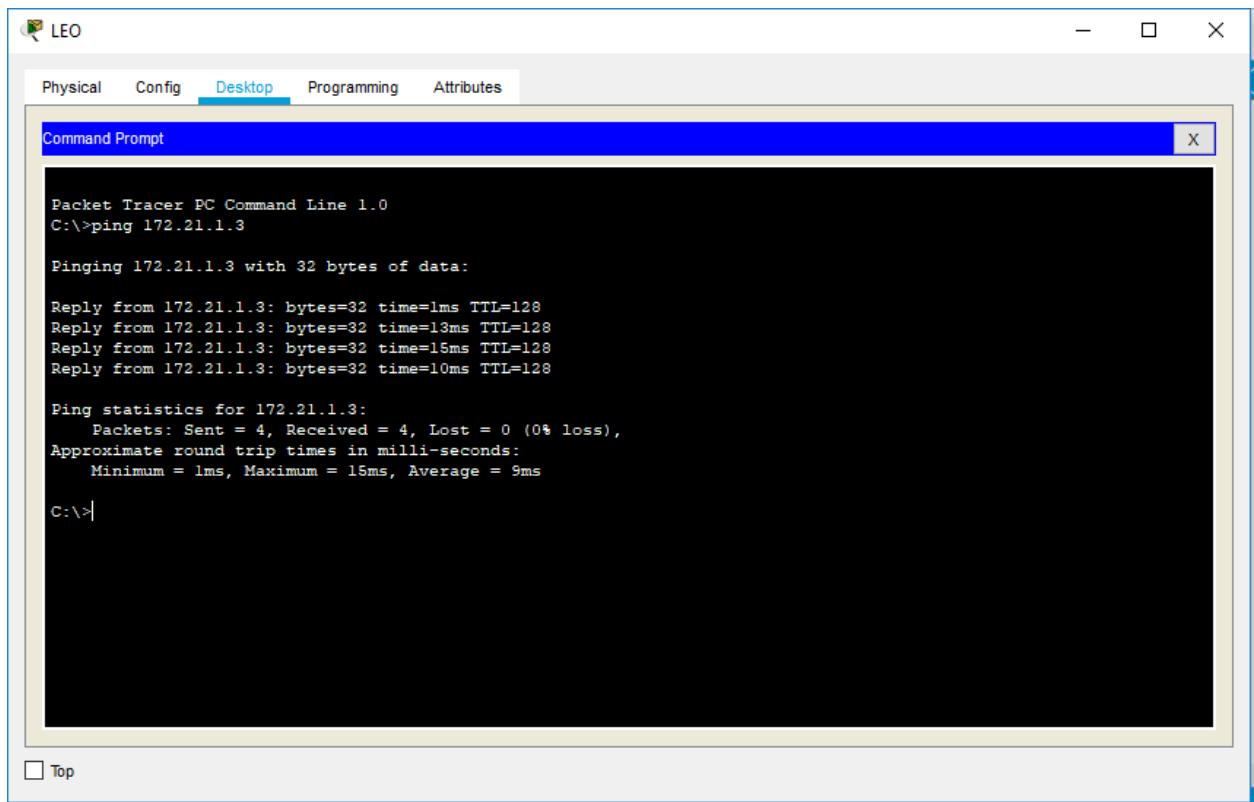
Switch#
```

Ctrl+F6 to exit CLI focus

Top

Copy **Paste**

Tes Ping Leo ke Virgo



Packet Tracer PC Command Line 1.0
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=13ms TTL=128
Reply from 172.21.1.3: bytes=32 time=15ms TTL=128
Reply from 172.21.1.3: bytes=32 time=10ms 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 = 1ms, Maximum = 15ms, Average = 9ms

C:\>

Top