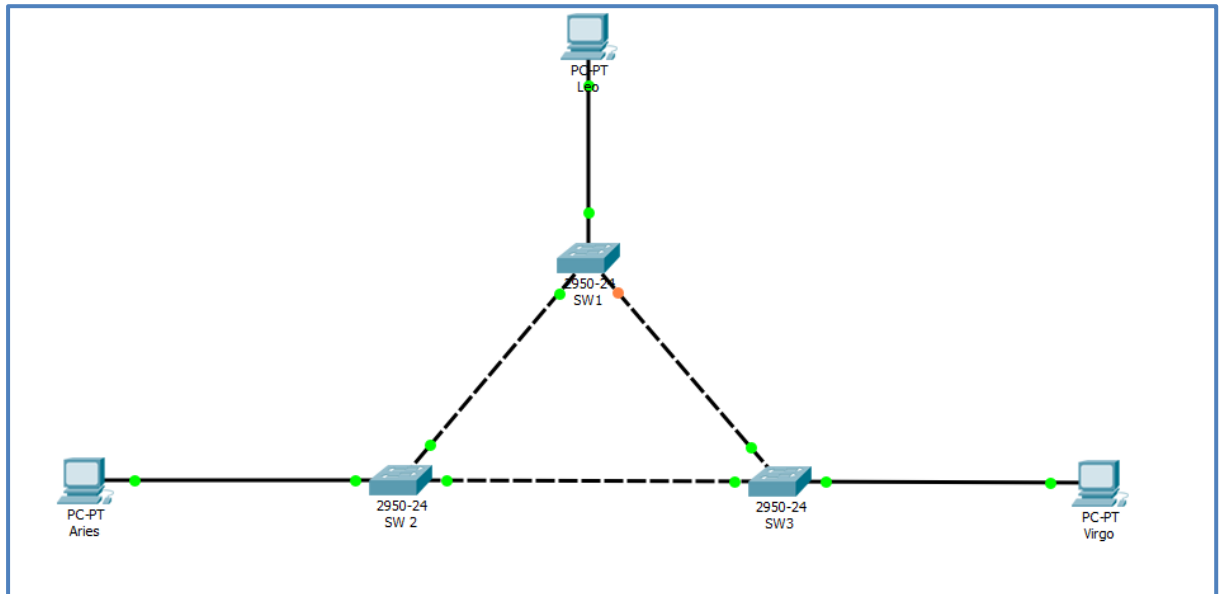


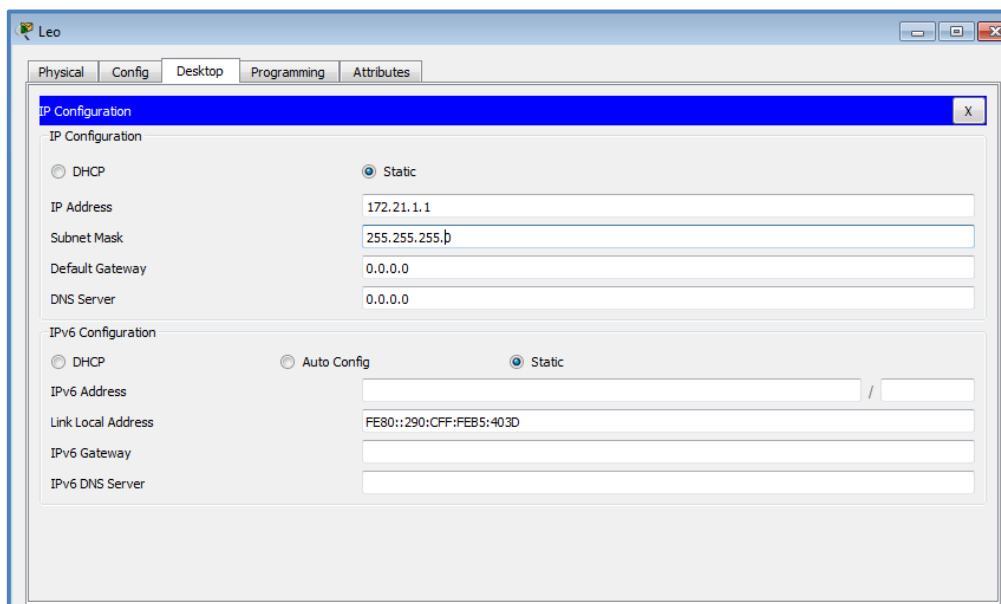
**NAMA : PUSPITA PURNAMASARI**  
**NIM : L200170140**  
**KELAS : C**  
**TUGAS MODUL 6**

### Kegiatan1.Topologi 1

1. Membuat topologi dengan packet tracer,dan beri nama masing-masing switch dengan SW 1, SW 2, SW 3 seperti gambar dibawah ini.



2. Konfigurasi masing-masing PC dengan alamat IP :  
a. Leo = 172.21.1.1/24



b. Aries = 172.21.1.2/24

The screenshot shows the 'Aries' network configuration window. The 'Config' tab is selected. The 'IP Configuration' section has 'Static' selected, with IP Address '172.21.1.2', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The 'IPv6 Configuration' section has 'Static' selected, with IPv6 Address field empty, Link Local Address 'FE80::201:42FF:FE45:90D', and empty fields for IPv6 Gateway and IPv6 DNS Server.

Field	Value	
IP Configuration		
<input type="radio"/> DHCP	<input checked="" type="radio"/> 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		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::201:42FF:FE45:90D	
IPv6 Gateway		
IPv6 DNS Server		

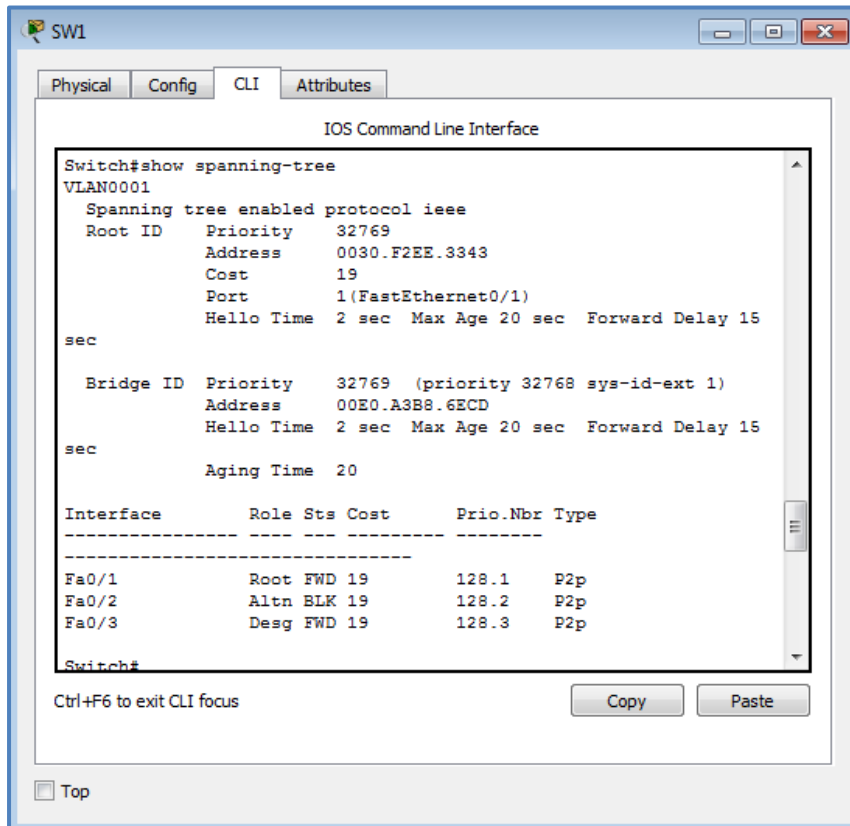
c. Virgo = 172.21.1.3/24

The screenshot shows the 'Virgo' network configuration window. The 'Config' tab is selected. The 'IP Configuration' section has 'Static' selected, with IP Address '172.21.1.3', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The 'IPv6 Configuration' section has 'Static' selected, with IPv6 Address field empty, Link Local Address 'FE80::202:4AFF:FE7C:E5D6', and empty fields for IPv6 Gateway and IPv6 DNS Server.

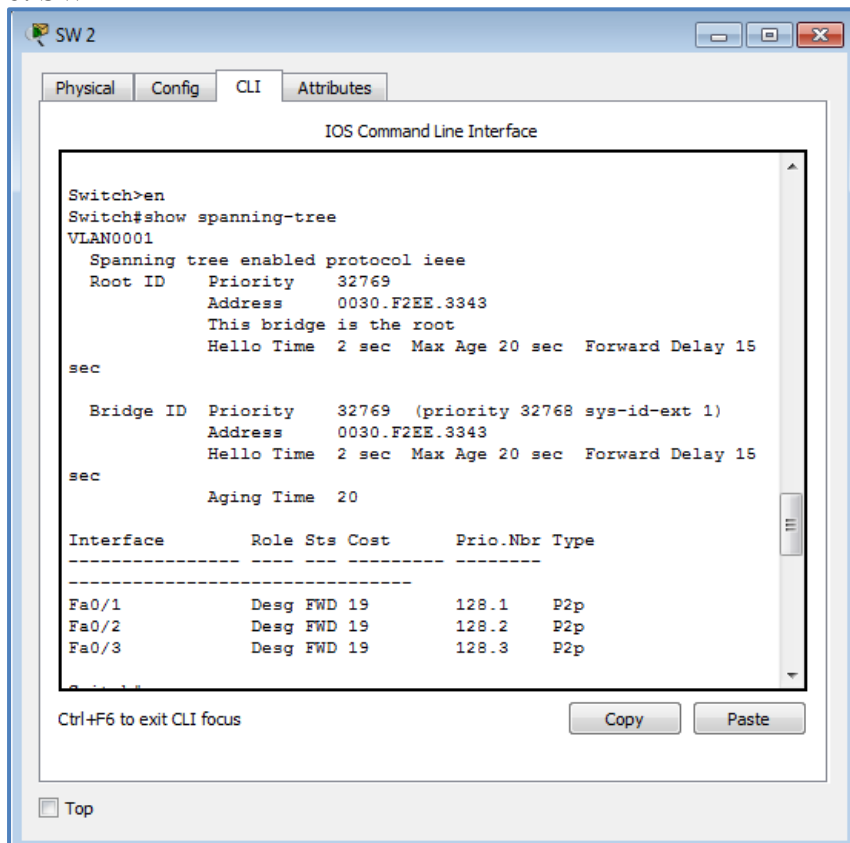
Field	Value	
IP Configuration		
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static	
IP Address	172.21.1.3	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
DNS Server	0.0.0.0	
IPv6 Configuration		
<input type="radio"/> DHCP	<input type="radio"/> Auto Config	<input checked="" type="radio"/> Static
IPv6 Address		
Link Local Address	FE80::202:4AFF:FE7C:E5D6	
IPv6 Gateway		
IPv6 DNS Server		

### 3. Melihat status STP pada masing-masing switch.

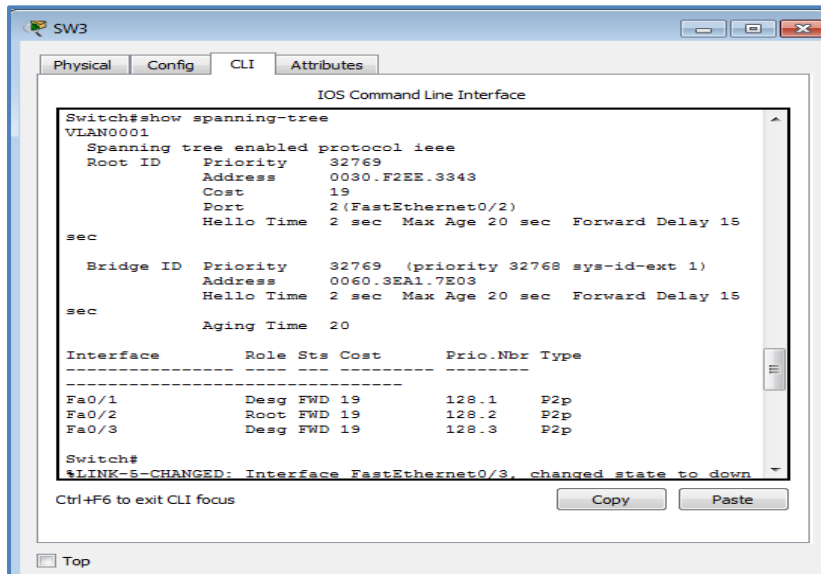
#### a. SW 1



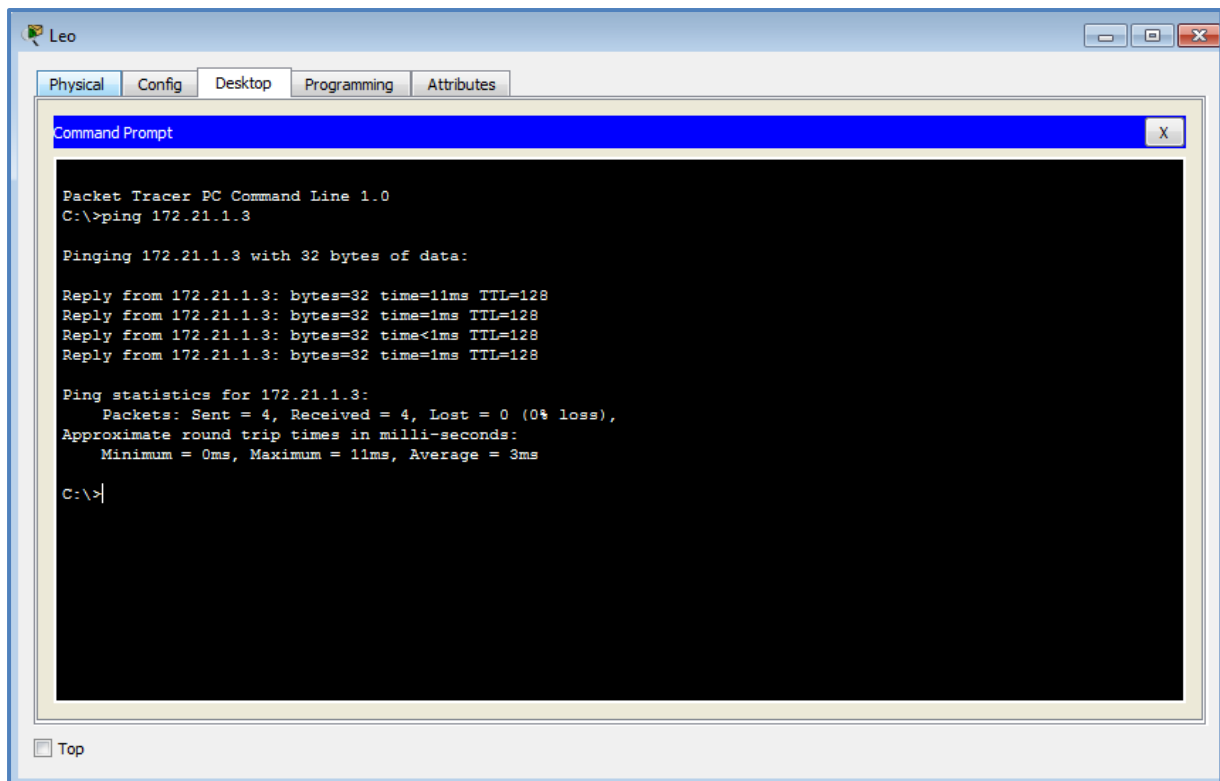
#### b. SW 2



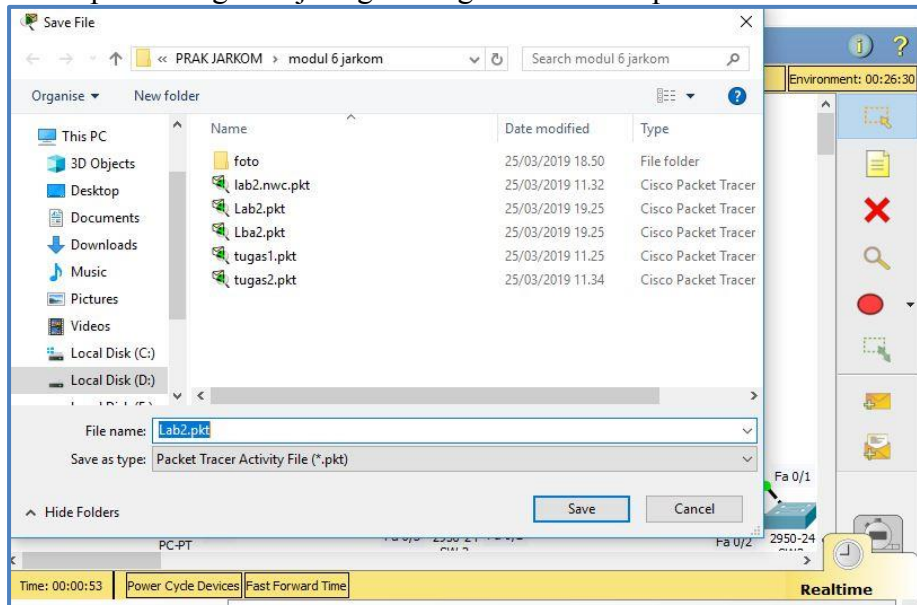
c. SW 3



4. Melakukan ping dari PC Leo ke PC Virgo

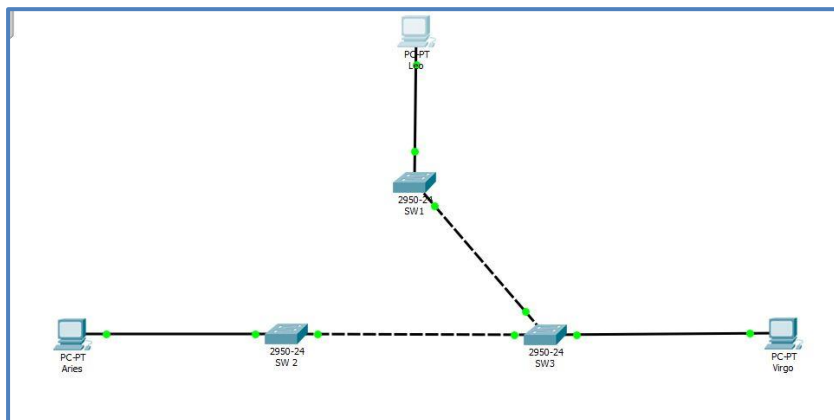


## 5. Simpan konfigurasi jaringan dengan nama lab2.pkt



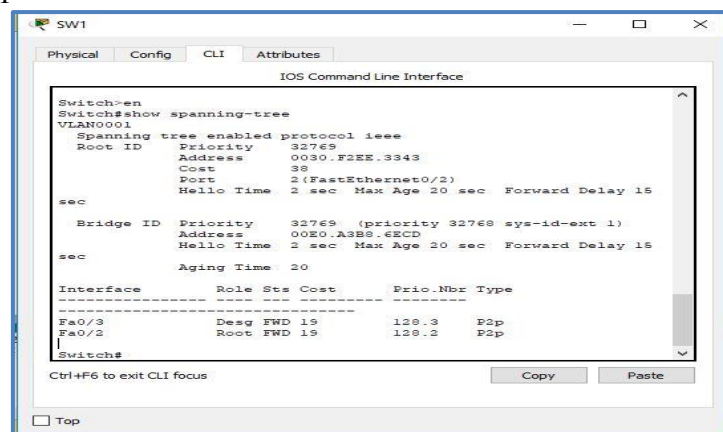
## Kegiatan2. Topologi 2

1. Menggunakan packet tracer ubah topologi menjadi seperti topologi berikut ini.



2. Melihat status STP pada masing-masing switch.

- SW 1



- SW 2

```

Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    0030.F2EE.3343
              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    0030.F2EE.3343
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15
              sec
              Aging Time 20
    Interface   Role Sts Cost      Prio.Nbr Type
    -----
    Fa0/3       Desg FWD 19       128.3    P2p
    Fa0/2       Desg FWD 19       128.2    P2p
Switch#
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

- SW 3

```

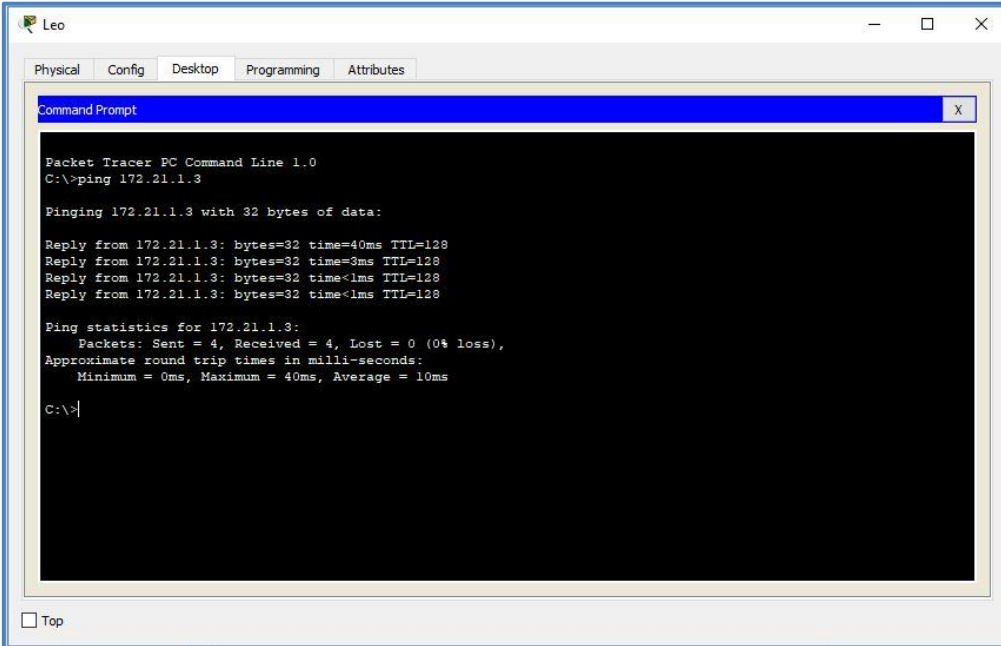
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    0060.3EA1.7E03
              Cost        19
              Port        2 (FastEthernet0/2)
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15
              sec
    Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
              Address    0060.3EA1.7E03
              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

Copy Paste

☐ Top

### 3. Melakukan ping antara PC Leo dengan PC Virgo



The screenshot shows a Packet Tracer PC Command Line window for PC Leo. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Command Prompt is open, displaying the results of a ping command to 172.21.1.3. The output shows four successful replies with varying times (40ms, 3ms, 1ms, 1ms) and a TTL of 128. Ping statistics indicate 4 packets sent, 4 received, and 0% loss, with an average round trip time of 10ms.

```
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=40ms TTL=128
Reply from 172.21.1.3: bytes=32 time=3ms 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 = 40ms, Average = 10ms

C:\>
```