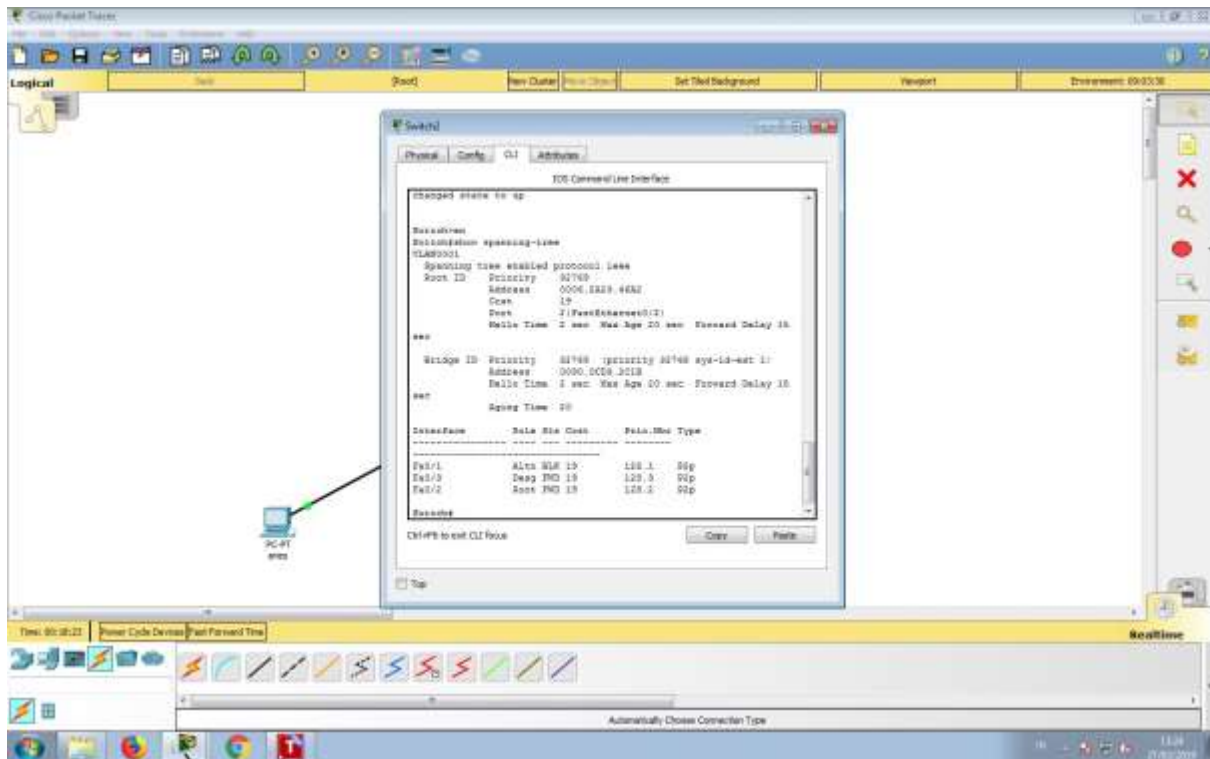


Nama : Naufal

Kelas : A

NIM : L200170034



Switch 0

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	Mac Address	0006.2A23.46A2
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward delay	15

--	--	--

Swith 1

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	Mac Addres	0006.2A23.46A2
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward delay	15

Swith 2

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	Mac Addres	0006.2A23.46A2
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward delay	16

Leo

Physical Config Desktop Programming Attributes

Command Prompt

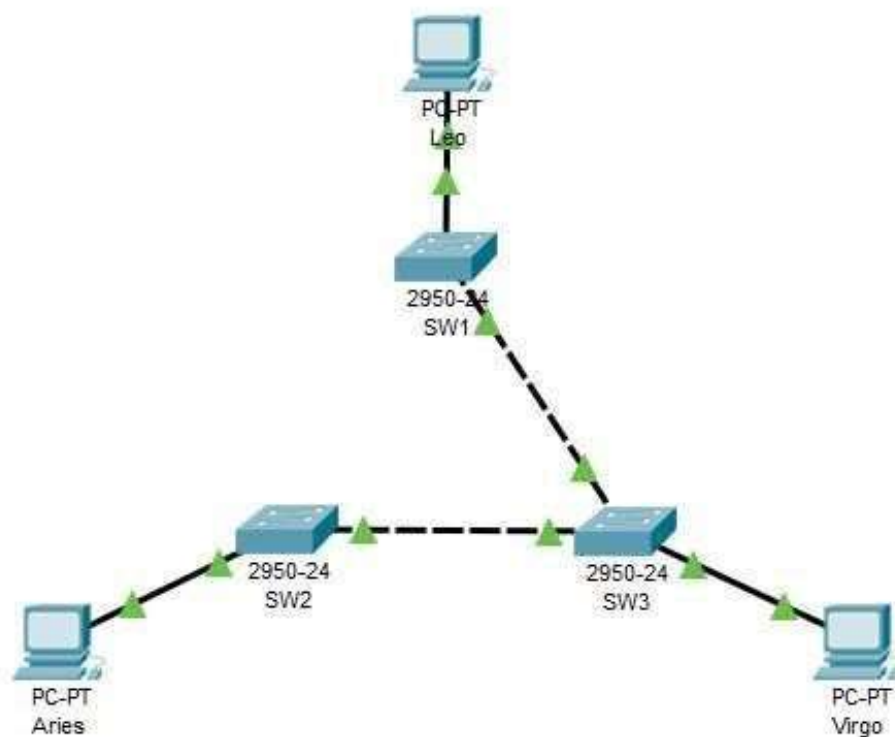
```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

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<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 = One, Maximum = One, Average = One

C:\>
```



Tugas 1A : Tulis langkah pembuatan topologi

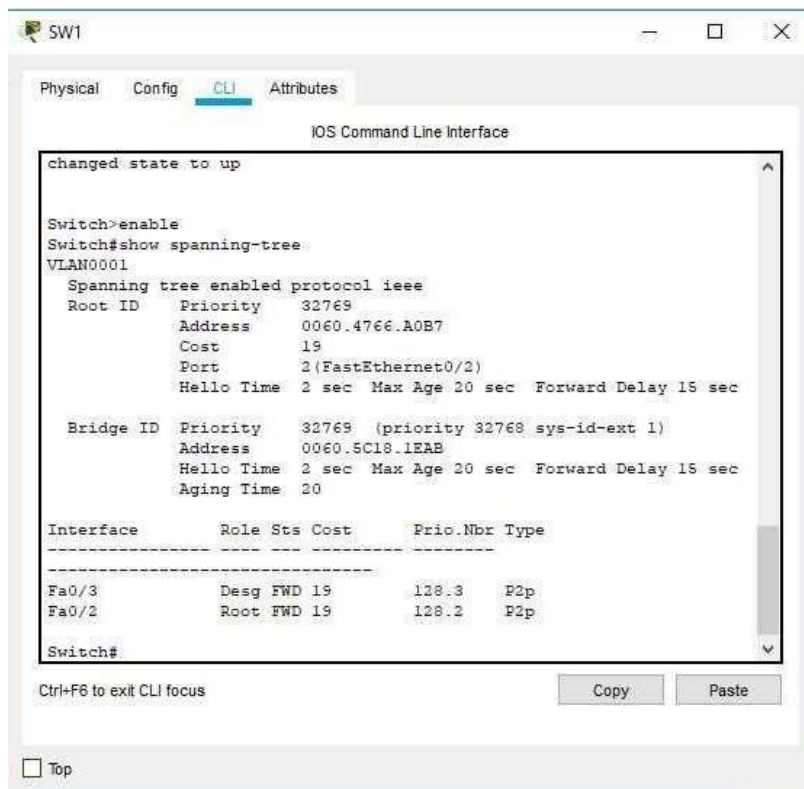
1. Pilih Switch 2950 sebanyak 3 buah.

2. Pilih PC sebanyak 3 buah.
 3. Gunakan kabel yang auto untuk mempermudah.
 4. Rangkai Rangkaian seperti gambar diatas.
-
2. Beri nama masing-masing switch dengan SW1, SW2 dan SW3
Tugas 2A : Tulis langkah pemberian nama switch mulai dari mode user
 1. Klik Switch yang dipilih
 2. Klik Config
 3. Pada pilihan display name ganti dengan nama switch yang diinginkan
 3. Konfigurasi masing-masing PC dengan alamat IP

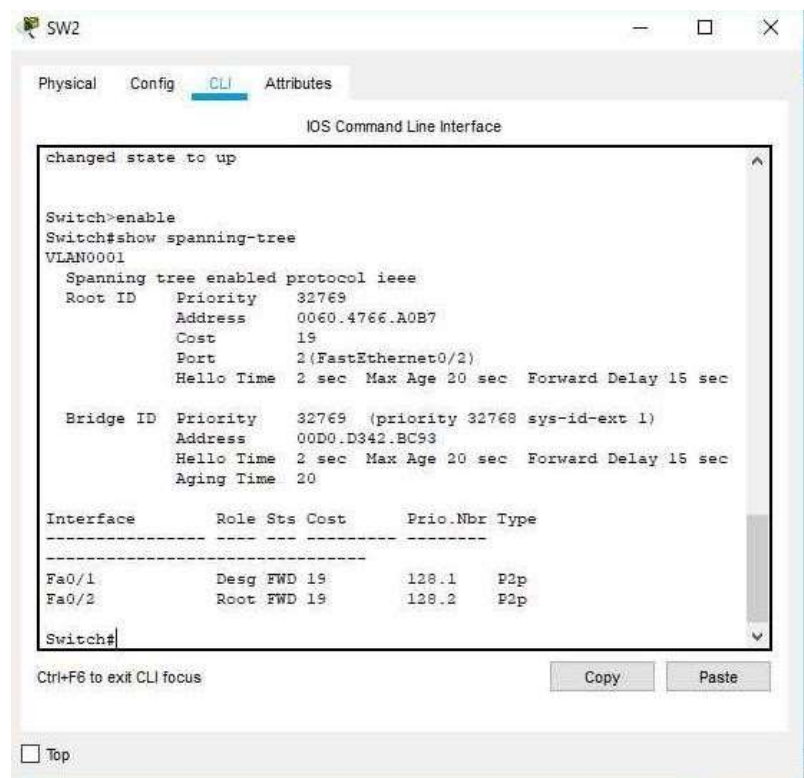
Leo	= 172.21.1.1/24
Aries	= 172.21.1.2/24
Virgo	= 172.21.1.3/24
 4. Pada mode user atau mode privileged, lihat status STP pada masing-masing switch. Langkah Pengoperasian
Tekan enter
Masuk mode privileged (optional)
Ketik show spanning-tree

Tugas 4A : Pada kondisi default, capture masing-masing tampilan status STP switch (SW1, SW2 dan SW3)

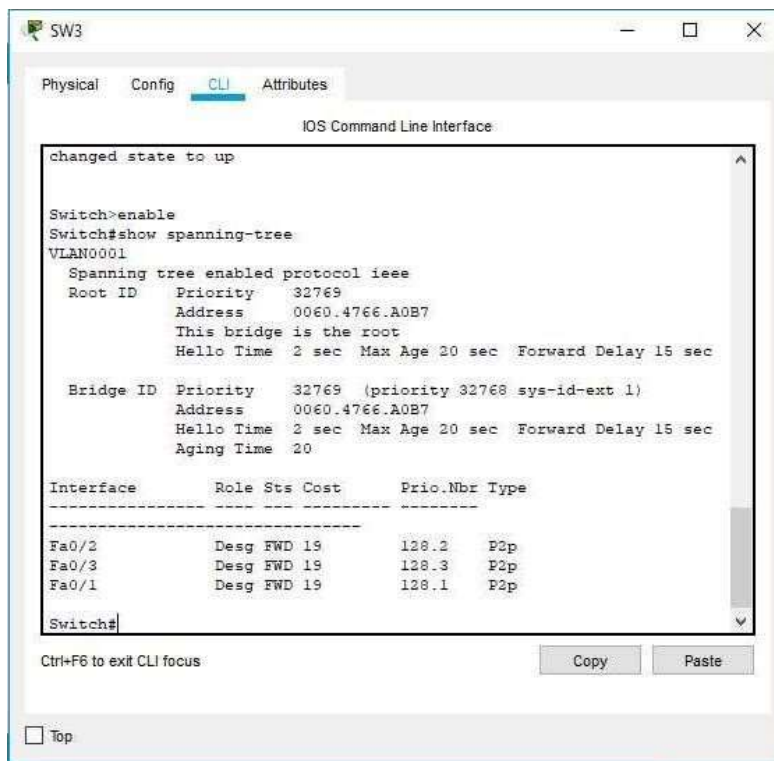
SW1



SW2



SW3



Tugas 4B : Untuk tiap-tiap switch, isikan table berikut:

SW1

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0060.4766.A0B7
4	Bridge ID	32769 , 0060.4766.A0B 7
5	Cost(0/1;0/2;0/3)	0/2;Root,FWD,19 0/3;Desg,FWD, 19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW2

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0060.4766.A0B7
4	Bridge ID	32769 , 0060.4766.A0B 7
5	Cost(0/1;0/2;0/3)	0/1;Desg,FWD,19 0/2;Root,FWD, 19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW3

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0060.4766.A0B7
4	Bridge ID	32769 , 0060.4766.A0B 7
5	Cost(0/1;0/2;0/3)	0/1;Desg,FWD,19 0/2;Desg,FWD, 19 0/3;Desg,FWD, 19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Tugas 4C : Pada Kondisi default, switch dan port mana saja yang:

Menjadi root bridge	: SW3
Menjadi designated bridge	: SW3
Menjadi root port	: SW1(Fa0/2) dan SW2(Fa0/2)
Menjadi designated port	: SW1(Fa0/3), SW2(Fa0/1) dan SW3(Fa0/1, Fa0/2, Fa0/3)

Tugas 4D : Pada Kondisi default, switch dan port mana saja yang: Berada pada keadaan forwarding :

SW1(Fa0/2, Fa0/3),

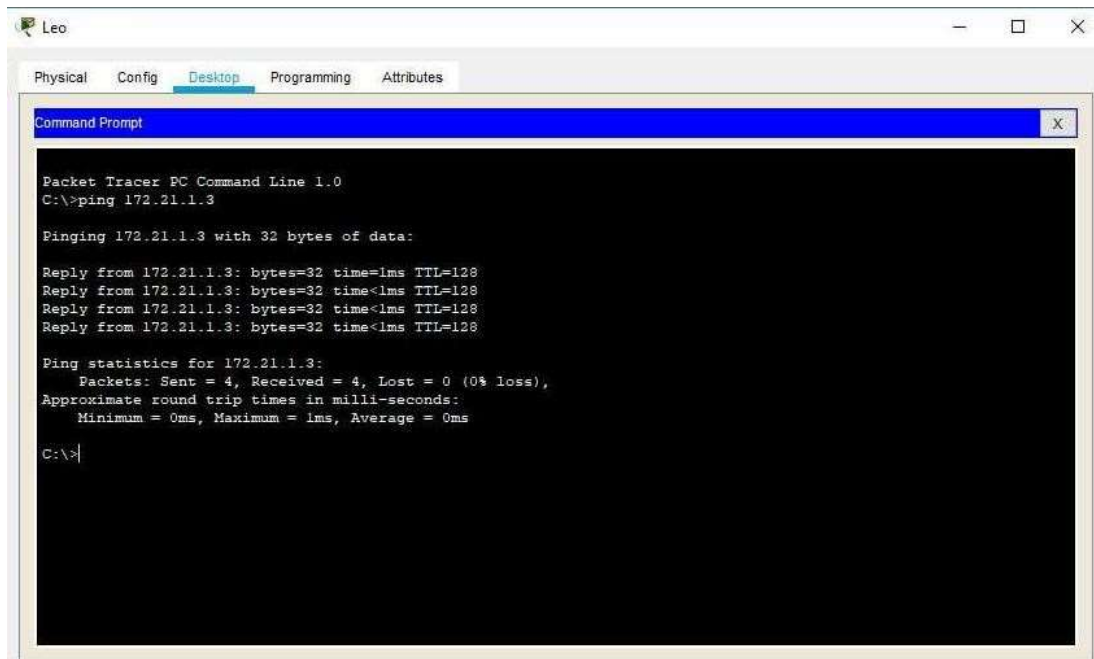
SW2(Fa0/1, Fa0/2) dan

SW3(Fa0/1, Fa0/2, Fa0/3)

Berada pada keadaan blocking

: -

5. Dari PC Leo lakukan ping ke PC Virgo



The screenshot shows a Packet Tracer PC named 'Leo'. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of the command 'C:\>ping 172.21.1.3'. The output indicates a successful ping with 4 replies, each with 32 bytes of data, a time of 1ms, and a TTL of 128. The ping statistics show 4 packets sent, 4 received, and 0% loss.

```
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<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:\>|
```

Tugas 5A : Tulis langkah untuk menyimpan perintah ping Klik

pada PC Leo

Klik Desktop

Klik Command Prompt