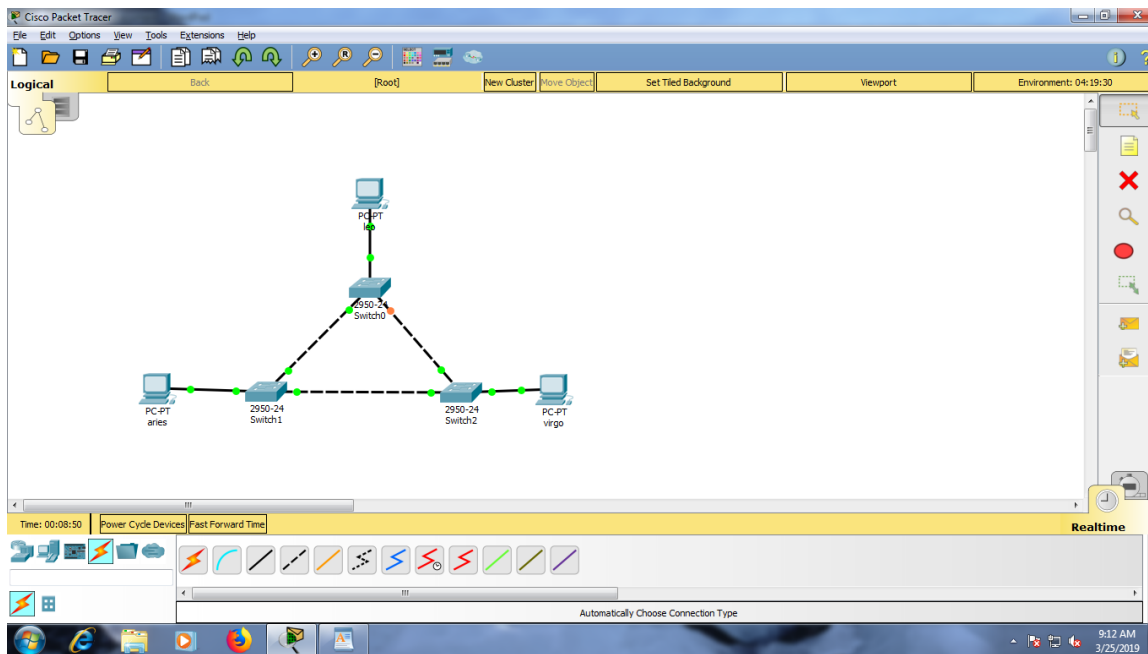


Kegiatan 1.

1.

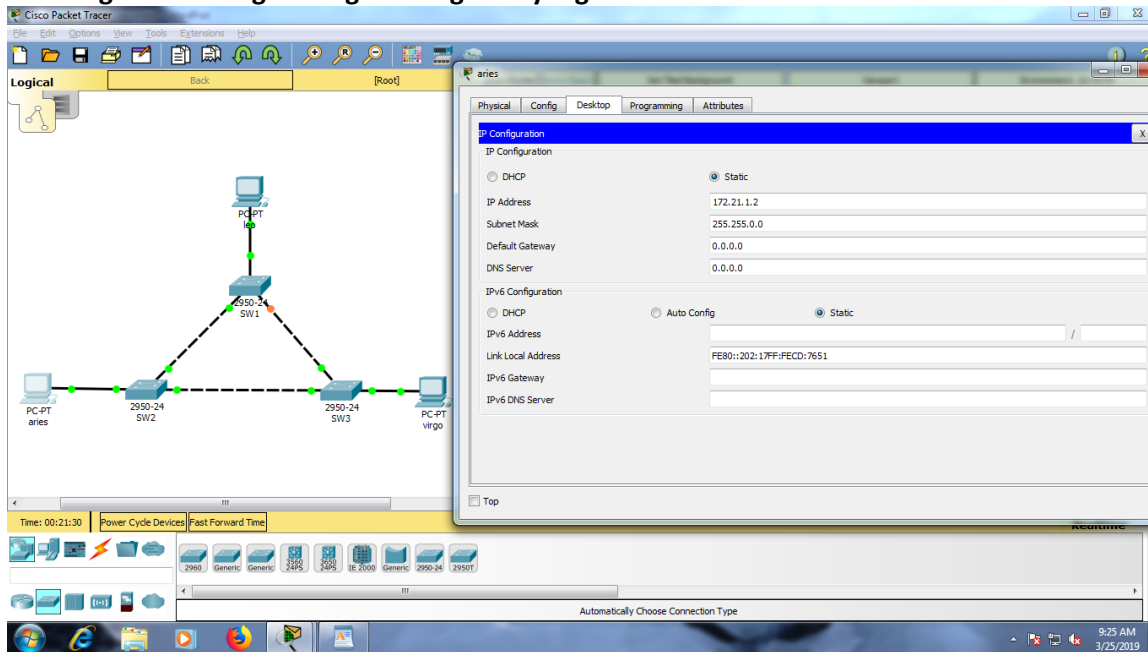


a. untuk membuat pc ambil di end device, generic. lalu namai seperti di gambar

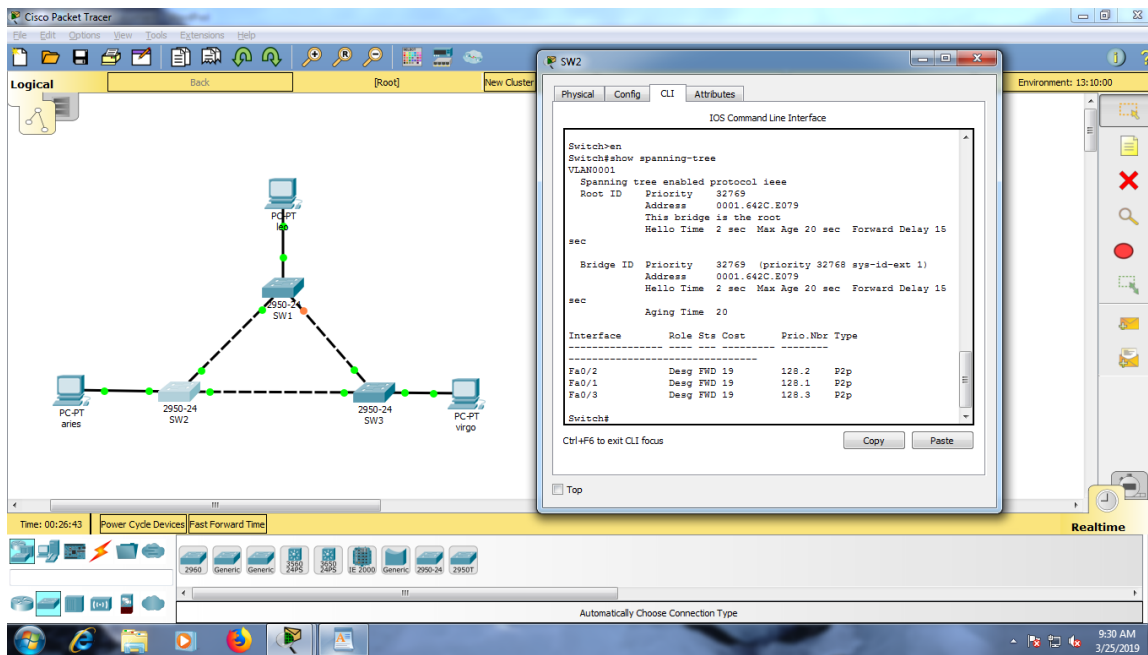
b. untuk membuat switch ambil di network device, pilih switches pilih sesuai pada gambar.

2. klik nama yang ada di bawah switch lalu ganti sesuai perintah

3. konfigurasi masing masing PC dengan IP yang ada



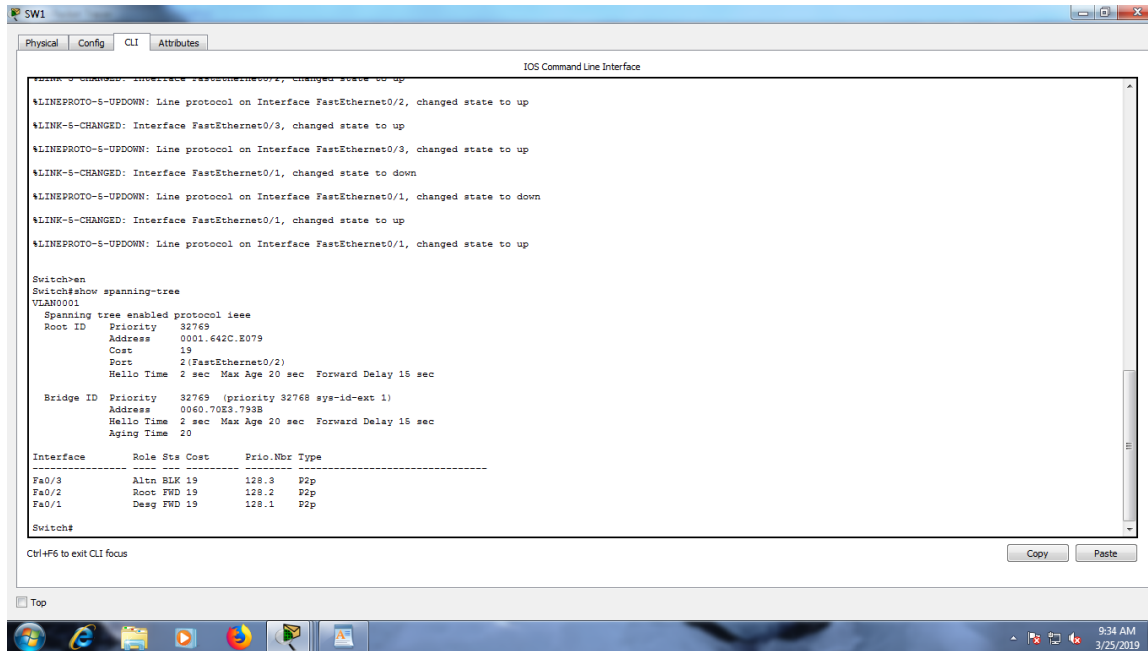
4. pada mode user atau mode privileged, lihat status STP pada masing masing switch.



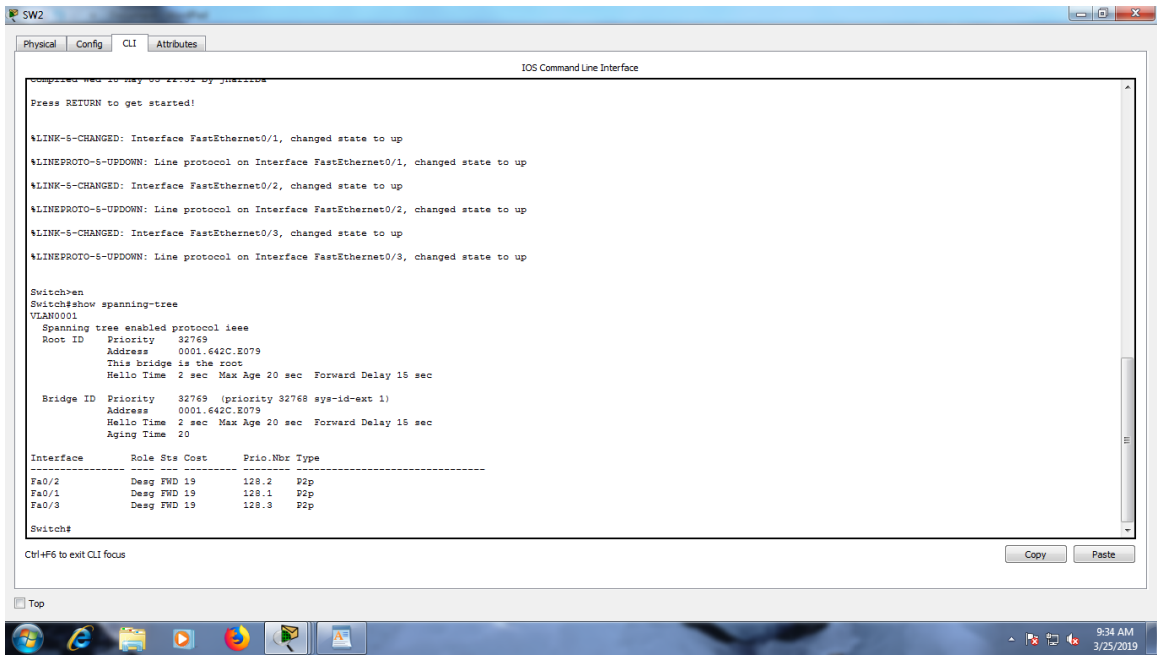
- tekan enter
- masuk ke mode privilaged (optional) seperti di gambar
- ketik show spanning-tree , tekan enter, lalu akan muncul seperti pada gambar.

A. capture masing masing status STP switch pada mode default

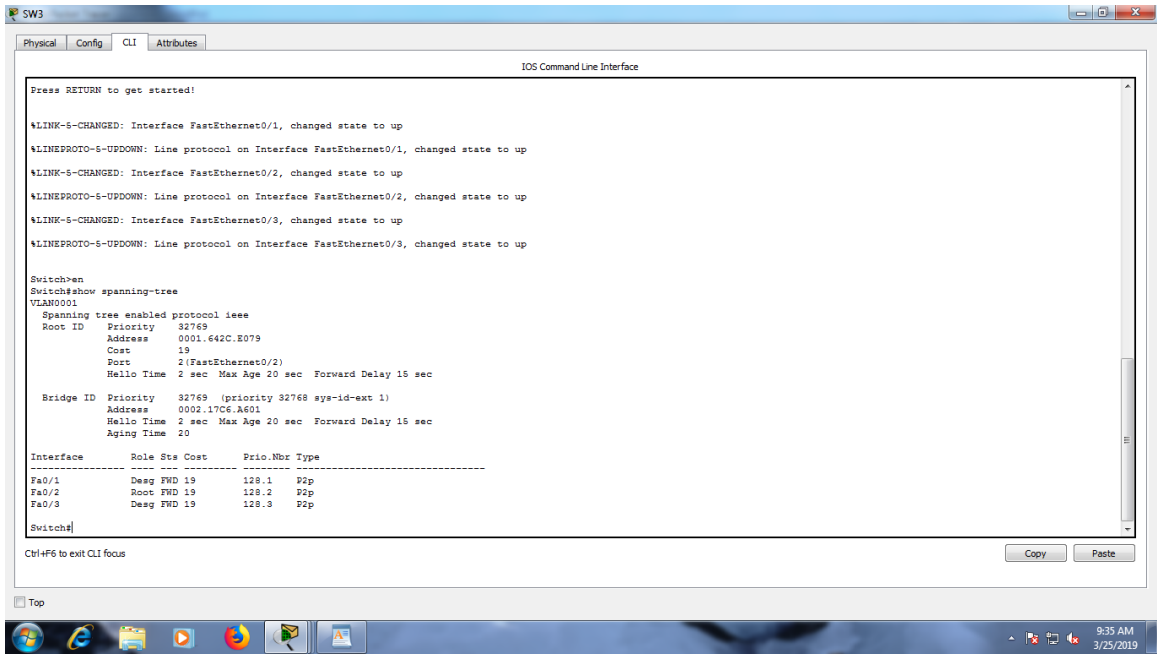
SW1



SW2



SW3



B. Tabel tiap-tiap switch

SW1	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0060.70E3.793B
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19,19,19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

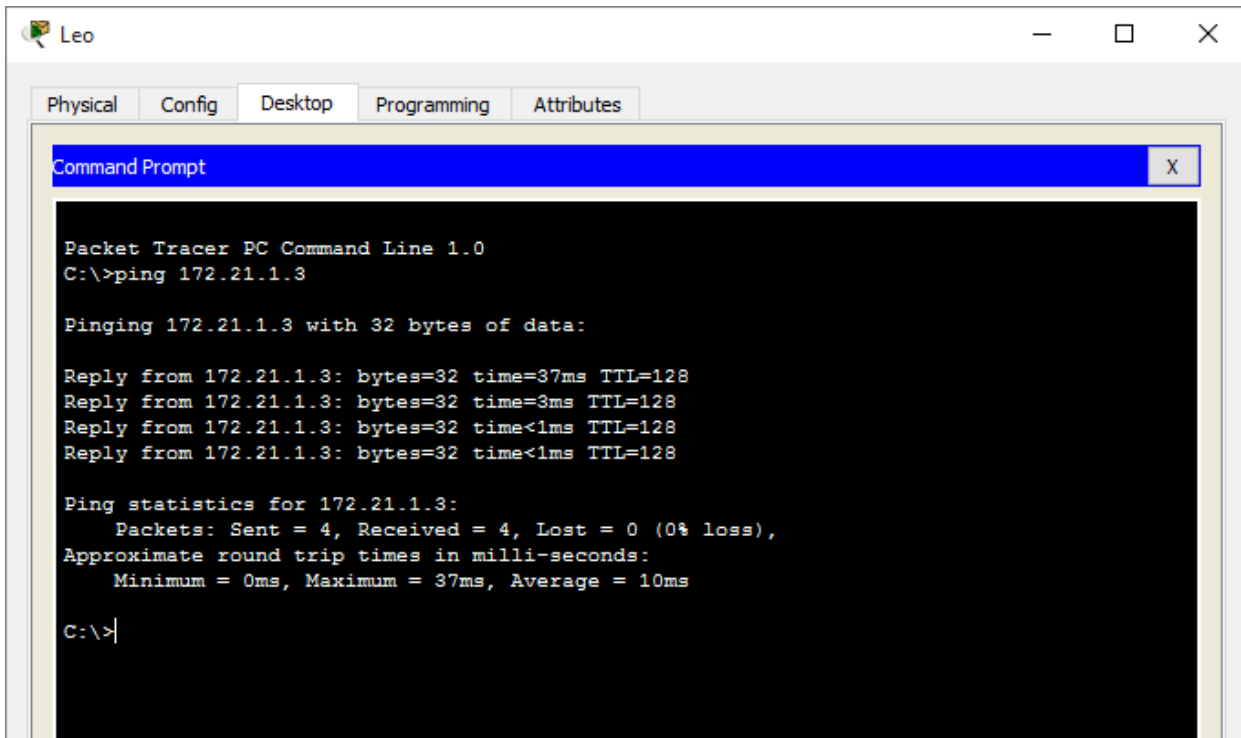
SW2	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.642C.E079
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW3	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0002.17C6.A601
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- C. pada kondisi default, switch dan port mana yang:
- Menjadi root bridge SW1
 - Menjadi designated bridge SW2
 - Menjadi root port SW3 0/3 dan SW2 0/3
 - Menjadl designated port SW1 0/3, SW2 0/2, dan SW3 0/1 0/2 0/3

- D. – Forwarding:
- SW1(fa 0/1; fa 0/3)
 - SW2(fa 0/1; fa 0/2; fa 0/3)
 - SW3(fa 0/1; fa 0/2; fa 0/3)
- Blocking:
- SW1(fa 0/2)

5. A.
1. Klik pada pc leo
 2. Pilih tab desktop
 3. Pilih command prompt
 4. Tuliskan ping 172.21.1.3



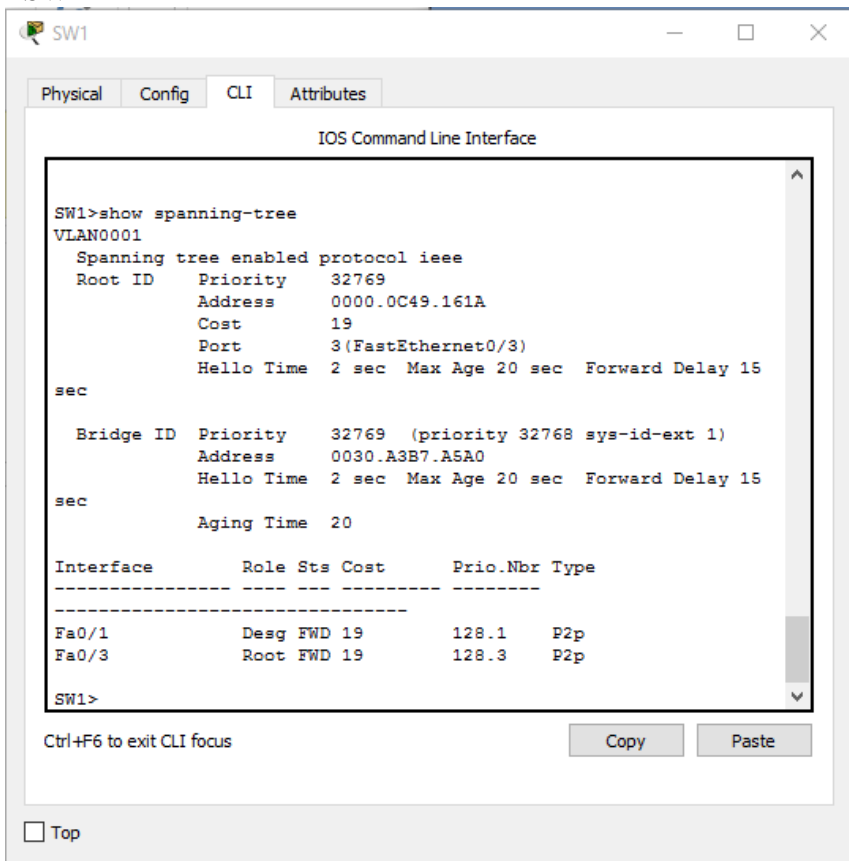
6.A.

1. Pilih file
2. Pilih save
3. Beri nama lab2 yang akan berkestensi sesuai aplikasi yang digunakan

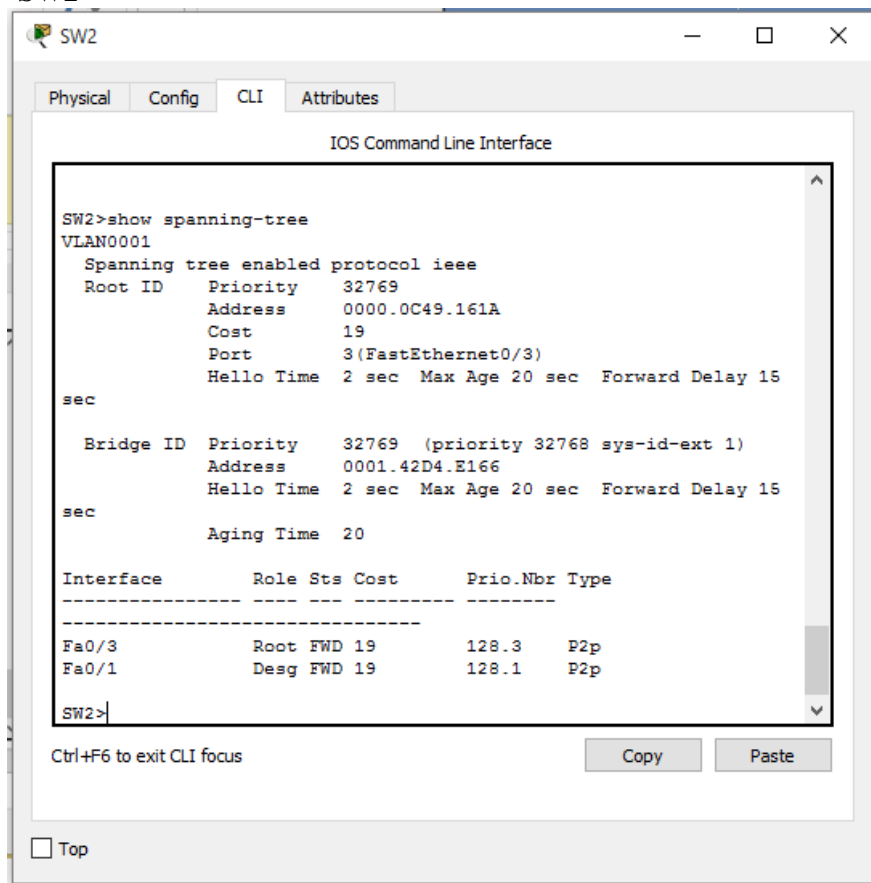
Kegiatan 2:

Tugas 9A:

- SW1



-SW2



SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
SW2>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0000.0C49.161A
             Cost        19
             Port        3(FastEthernet0/3)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

  Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0001.42D4.E166
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

             Aging Time  20

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

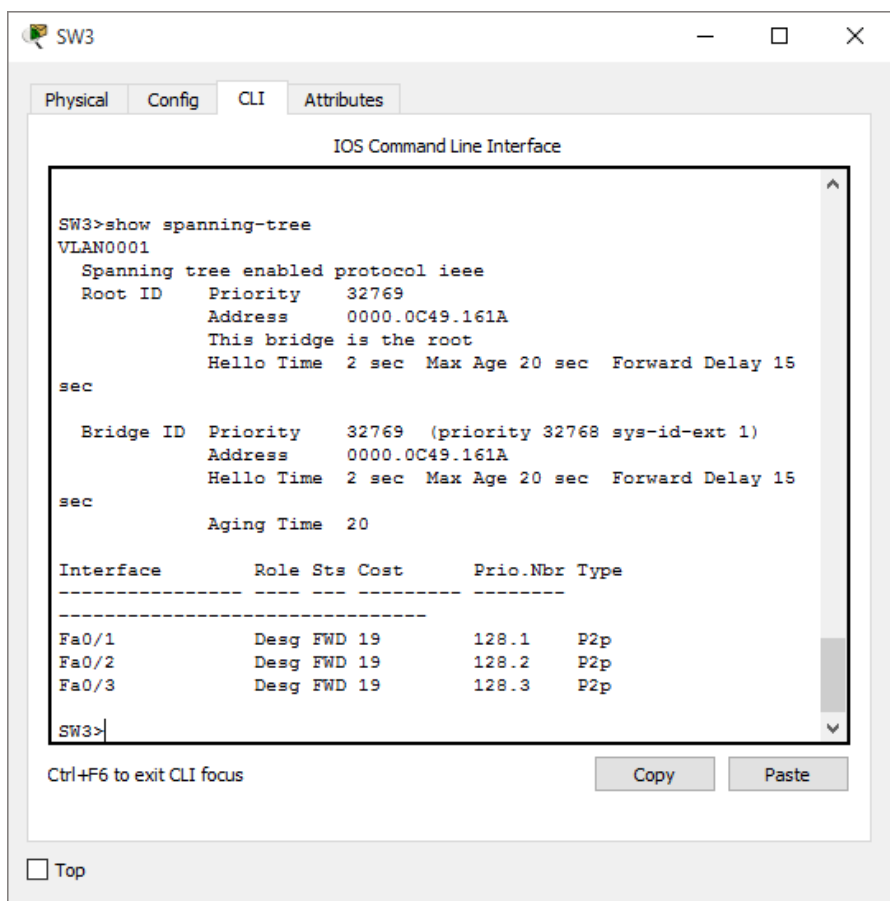
SW2>

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

-SW3



SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
SW3>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0000.0C49.161A
             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     0000.0C49.161A
             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
```

SW3>

Ctrl+F6 to exit CLI focus

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☐ Top

SW1	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0030.A3B7.A5A0
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19,19,19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW2	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0001.42D4.E166
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19,19,19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW3	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0000.0C49.161A
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19,19,19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

- root bridge: SW3
- designed bridge: SW1, SW2
- root port: SW1(fa 0/3) dan SW2(fa 0/3)
- designed port: SW1(fa 0/1), SW2(fa 0/1), dan SW3(fa 0/1; fa 0/2; fa 0/3)
- forwarding:
 - SW1(fa 0/1; fa 0/3)
 - SW2(fa 0/1; fa 0/3)
 - SW3(fa 0/1; fa 0/2; fa 0/3)
- blocking: tidak ada yang terblock