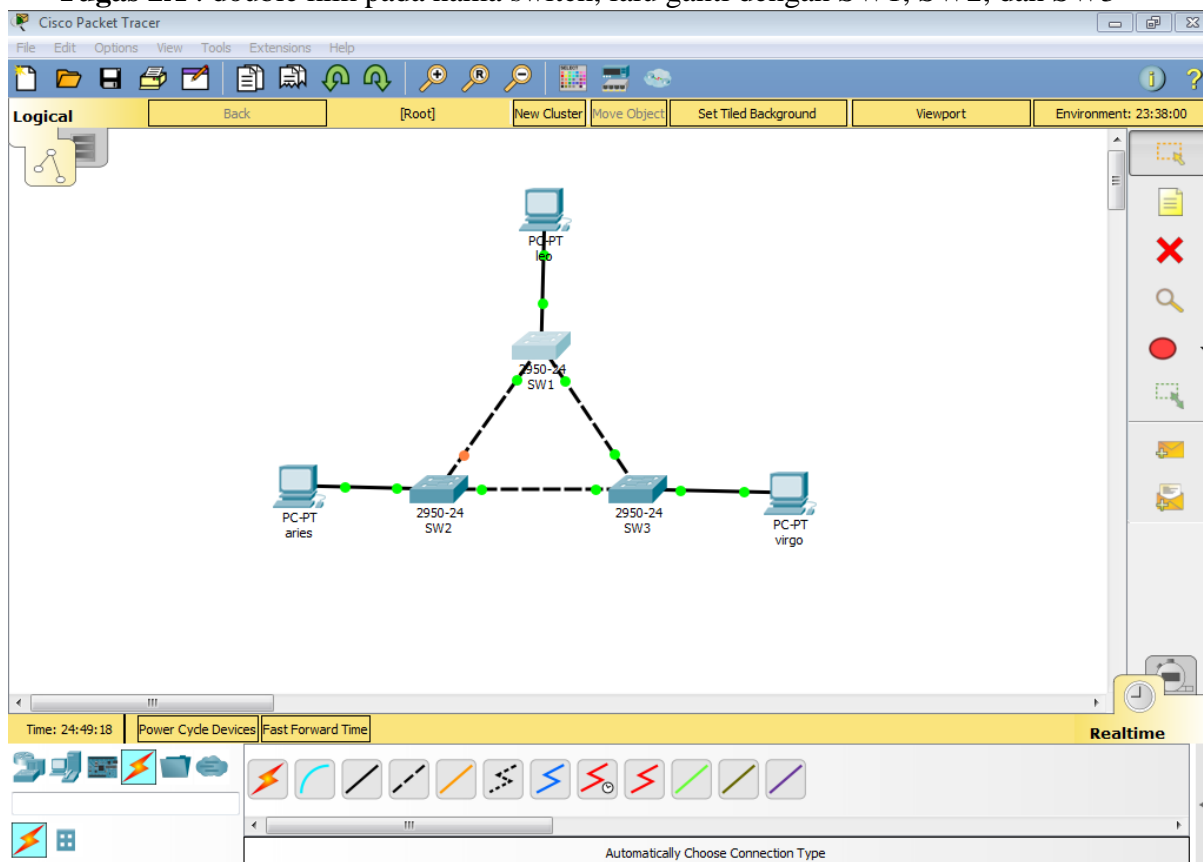


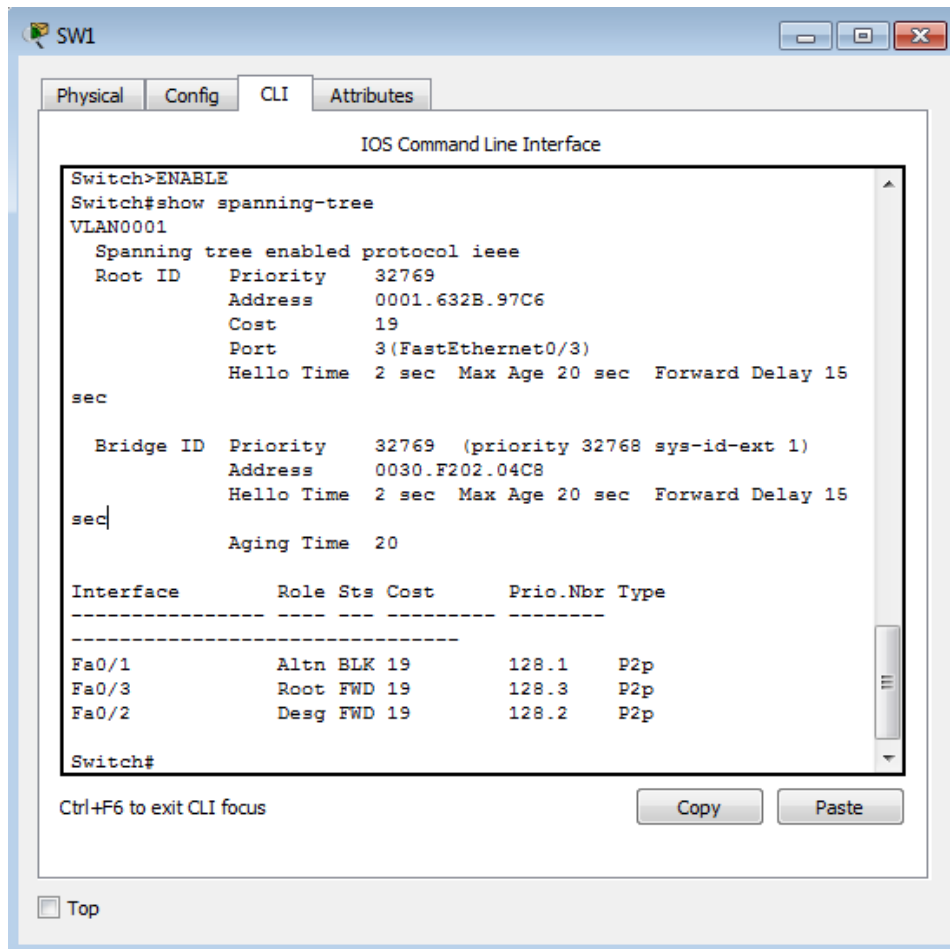
NAMA : Fitri Cahya Kusumawati
NIM : L200170110
KELAS : C
MODUL : 6 Kegiatan menjadi Tugas

Kegiatan 1

1. Menggunakan PACKET TRACER buat topologi berikut ini dengan menggunakan switch Catalyst 2950
 - **Tugas 1A** : membuat topologi dengan menggunakan 3 switch dan 3 PC, lalu hubungkan dengan kabel
2. Beri nama masing-masing switch dengan SW1, SW2, dan SW3.
 - **Tugas 2A** : double klik pada nama switch, lalu ganti dengan SW1, SW2, dan SW3

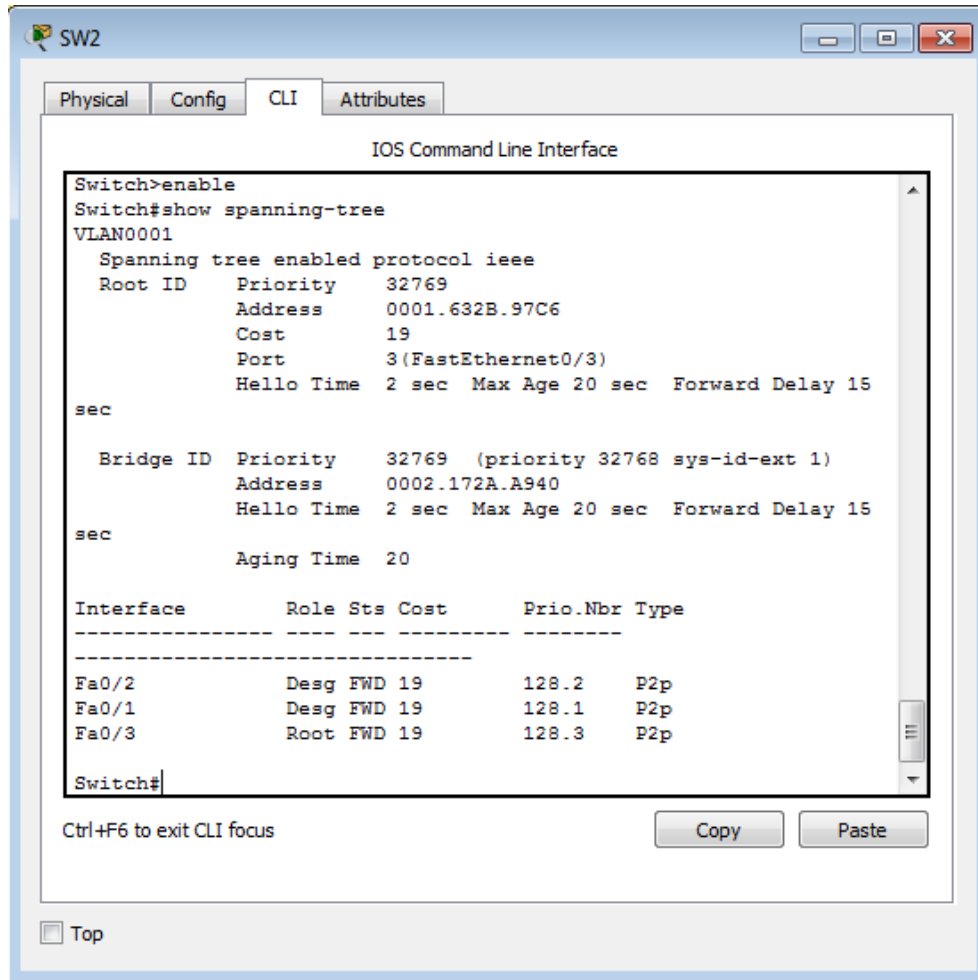


3. Tugas 4A : tampilan status STP Switch (SW1,SW2,SW3)
SW 1



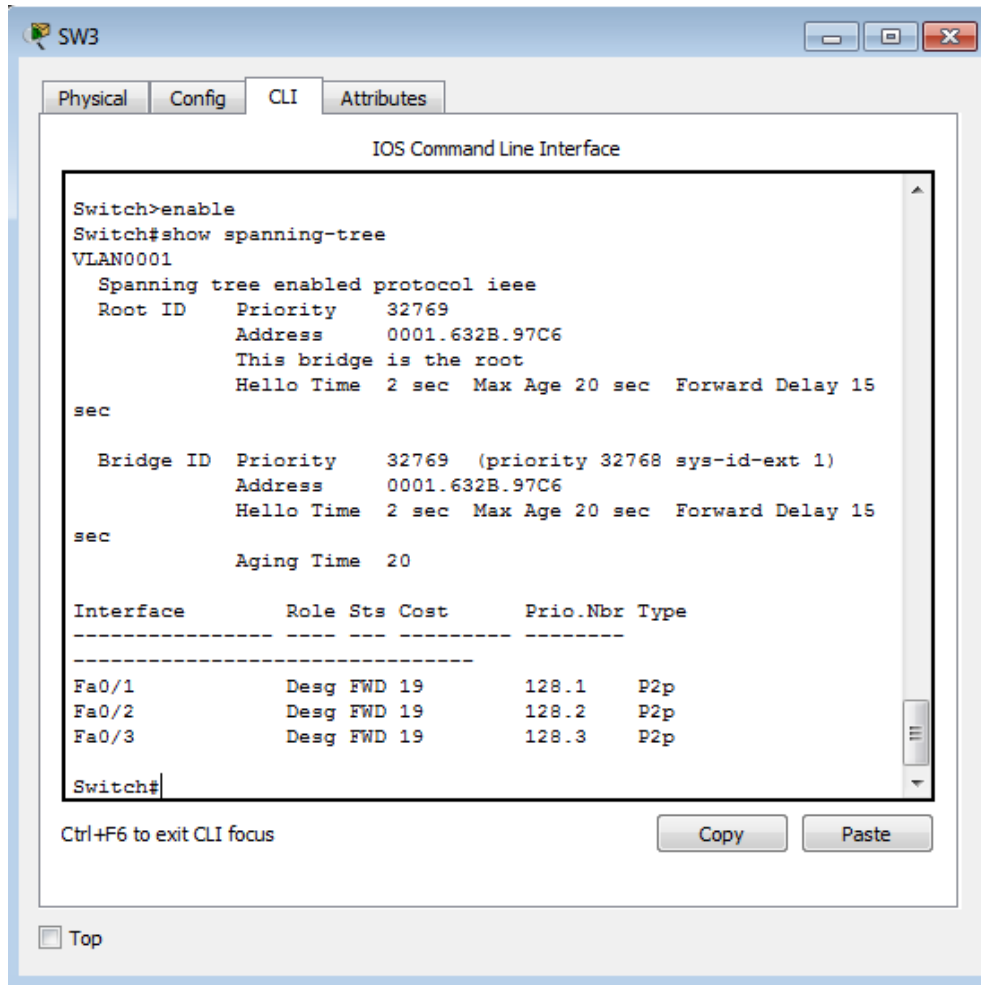
No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0030.F202.04C8
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 2



No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0002.172A.A940
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 3



No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0001.632B.97C6
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Tugas 4C :

- Menjadi root bridge : SW3
- Menjadi designated bridge : SW2
- Menjadi root port : SW1 0/3, SW2 0/3
- Menjadi designated port : SW1 0/2

Tugas 4D :

- Berada pada keadaan forwarding : SW2
- Berada pada keadaan blocking : SW1

Tugas 5A : langkah melakukan ping : buka command prompt, lalu ketik “ping 172.21.1.3”

```
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

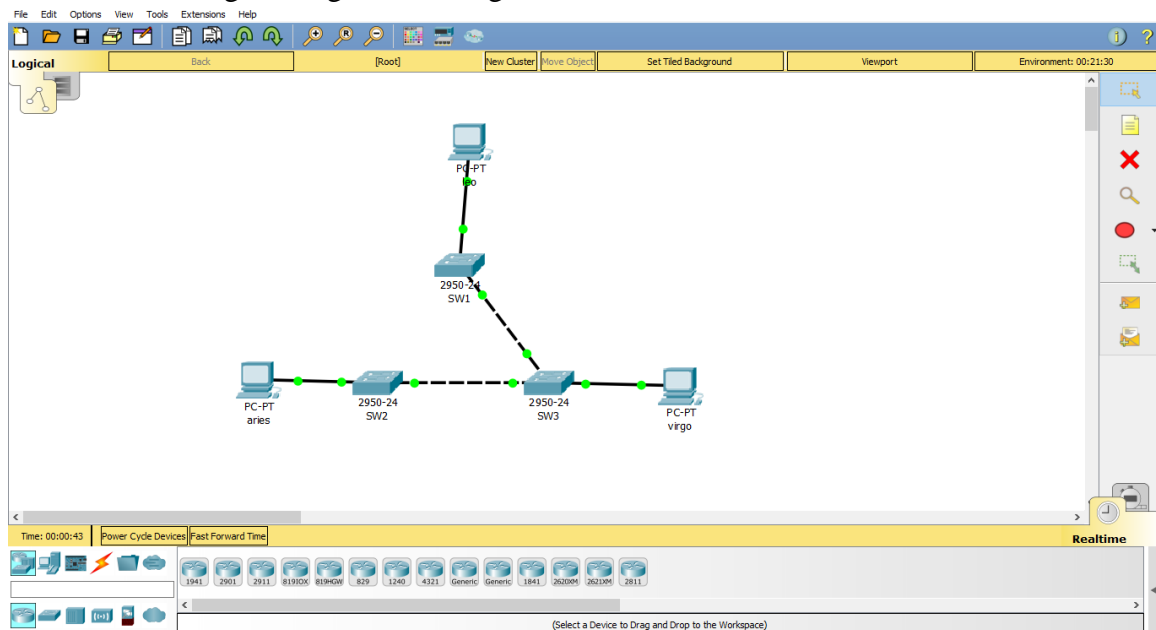
C:\>|
```

Tugas 6A : Tulis langkah menyimpan konfigurasi : tekan icon save pada pojok kiri, lalu ketik nama

“lab2.nwc”

Kegiatan 2

1. Menggunakan PACKET TRACER buat topologi berikut ini dengan menggunakan switch Catalyst 2950
2. Beri nama masing-masing switch dengan SW1, SW2, dan SW3.



3. **Tugas 9A** : tampilan status STP Switch (SW1,SW2,SW3)

SW 1

SW1

```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.632B.97C6
             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     0030.F202.04C8
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

Switch#
```


Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0030.F202.04C8
5	Cost (0/2;0/3)	19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 2

 SW2
 — □ ×

Physical Config **CLI** Attributes

IOS Command Line Interface

```

Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.632B.97C6
             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     0002.172A.A940
             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
Fa0/3          Root FWD 19        128.3   P2p
Switch#

```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0002.172A.A940
5	Cost (0/1;0/3)	19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 3

SW3
—
□
×

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    0001.632B.97C6
              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    0001.632B.97C6
              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
Fa0/1          Desg FWD 19      128.1    P2p
Fa0/2          Desg FWD 19      128.2    P2p
Switch#

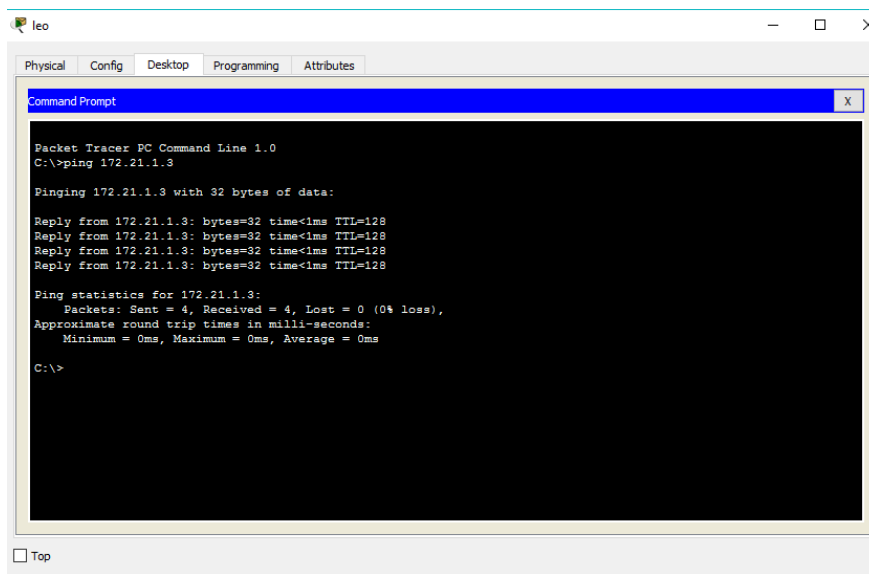
```

Ctrl+F6 to exit CLI focus
Copy
Paste

☐ Top

No	Variabel	Nilai
1	Root ID	32769.0001.632B.97C6
2	Priority	32769
3	MAC Address	0001.632B.97C6
4	Bridge ID	32769.0001.632B.97C6
5	Cost (0/1;0/2;0/3)	19, 19, 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Langkah melakukan ping : buka command prompt, lalu ketik “ping 172.21.1.3”



The screenshot shows a Packet Tracer interface with a 'leo' device selected. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of the 'ping 172.21.1.3' command, resulting in four successful replies with 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 = 0ms, Average = 0ms

C:\>
```

At the bottom left of the window, there is a checkbox labeled 'Top' which is currently unchecked.