VLAN
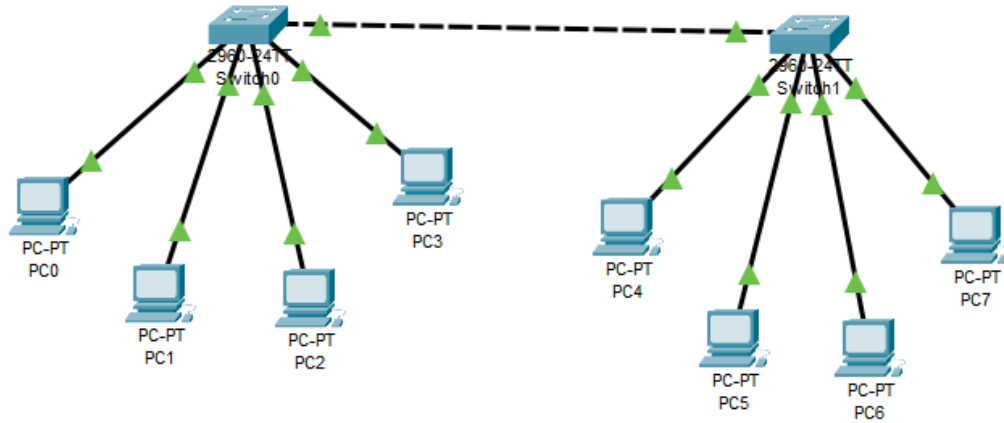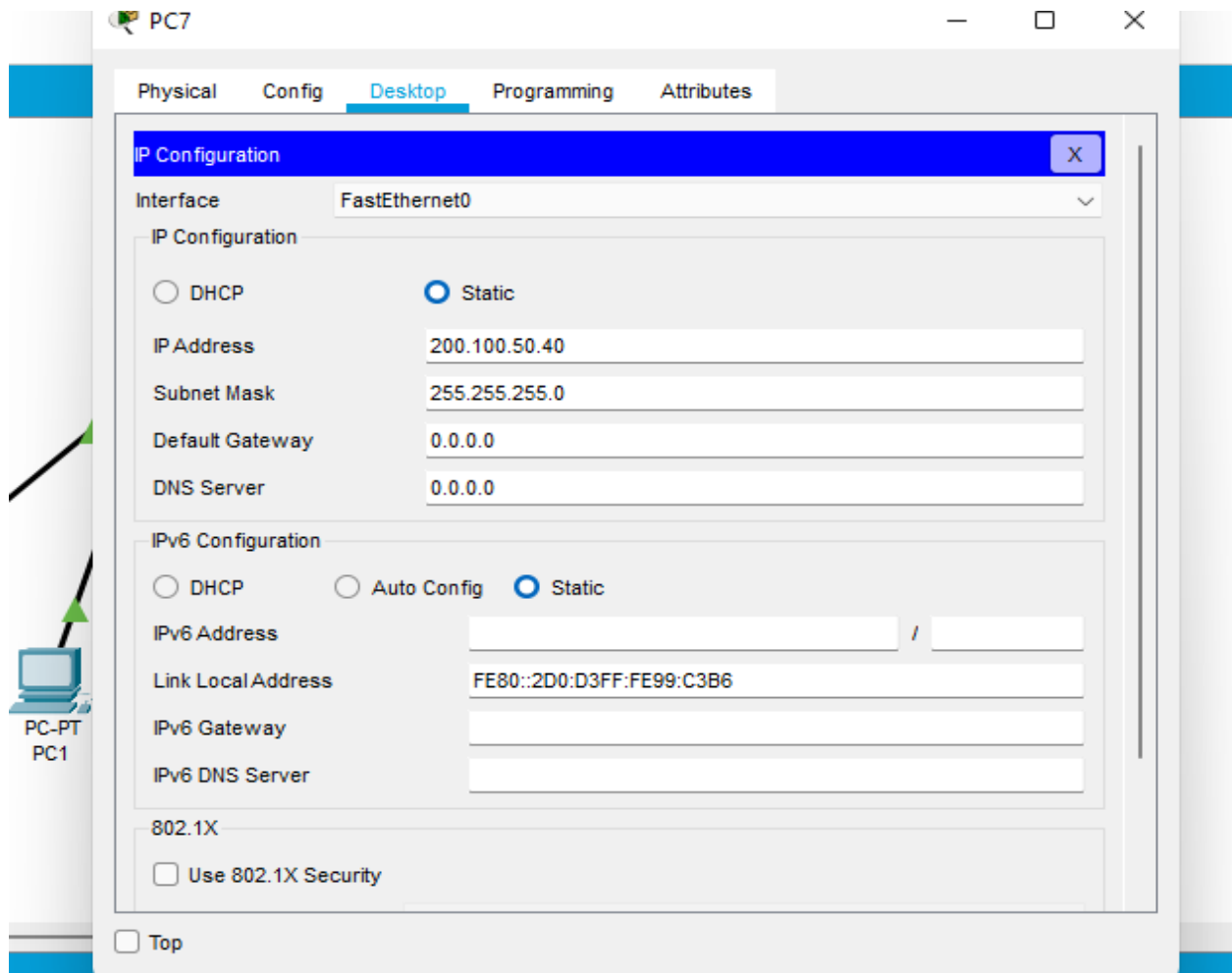

Assign IP to each computer

Switch one

1: 200.100.50.5

2: 200.100.50.10

3: 200.100.50.15

4: 200.100.50.20

Switch two

5: 200.100.50.25

6: 200.100.50.30

7: 200.100.50.35

8: 200.100.50.40

Configuration

Switch 1:

#enable

#show vlan

#configuration terminal

#vlan 5

#name faculty

#exit

#vlan 10

#name student

#exit

```
Switch(config)#vlan 5
Switch(config-vlan)#name Faculty
Switch(config-vlan)#exit
Switch(config)#vlan 10
Switch(config-vlan)#name Student
Switch(config-vlan)#exit
Switch(config)#exit
Switch#
```

#show vlan

#interface fastEthernet 0/1

#switch mode access

#switch access faculty

#exit

#exit

#interface fastEthernet 0/2

#switch mode access

#switch access faculty

#exit

#exit

#interface fastEthernet 0/3

#switch mode access

#switch access student

#exit

#exit

#interface fastEthernet 0/4

#switch mode access

#switch access student

#exit

#exit

#show vlan

Switch 2:

Switch 1:

#enable

#show vlan

#configuration terminal

#vlan 5

#name faculty

#exit

#vlan 10

#name student

#exit

```
Switch(config)#vlan 5
Switch(config-vlan)#name Faculty
Switch(config-vlan)#exit
Switch(config)#vlan 10
Switch(config-vlan)#name Student
Switch(config-vlan)#exit
Switch(config)#exit
Switch#
```

#show vlan

#interface fastEthernet 0/1

#switch mode access

#switch access faculty

#exit

#exit

#interface fastEthernet 0/2

#switch mode access

#switch access faculty

#exit

#exit

#interface fastEthernet 0/3

#switch mode access

#switch access student

#exit

#exit

#interface fastEthernet 0/4

#switch mode access

#switch access student

#exit

#exit

#show vlan

// two switch connection

Switch 1:

#interface fastEthernet 0/5

#switch mode trunk