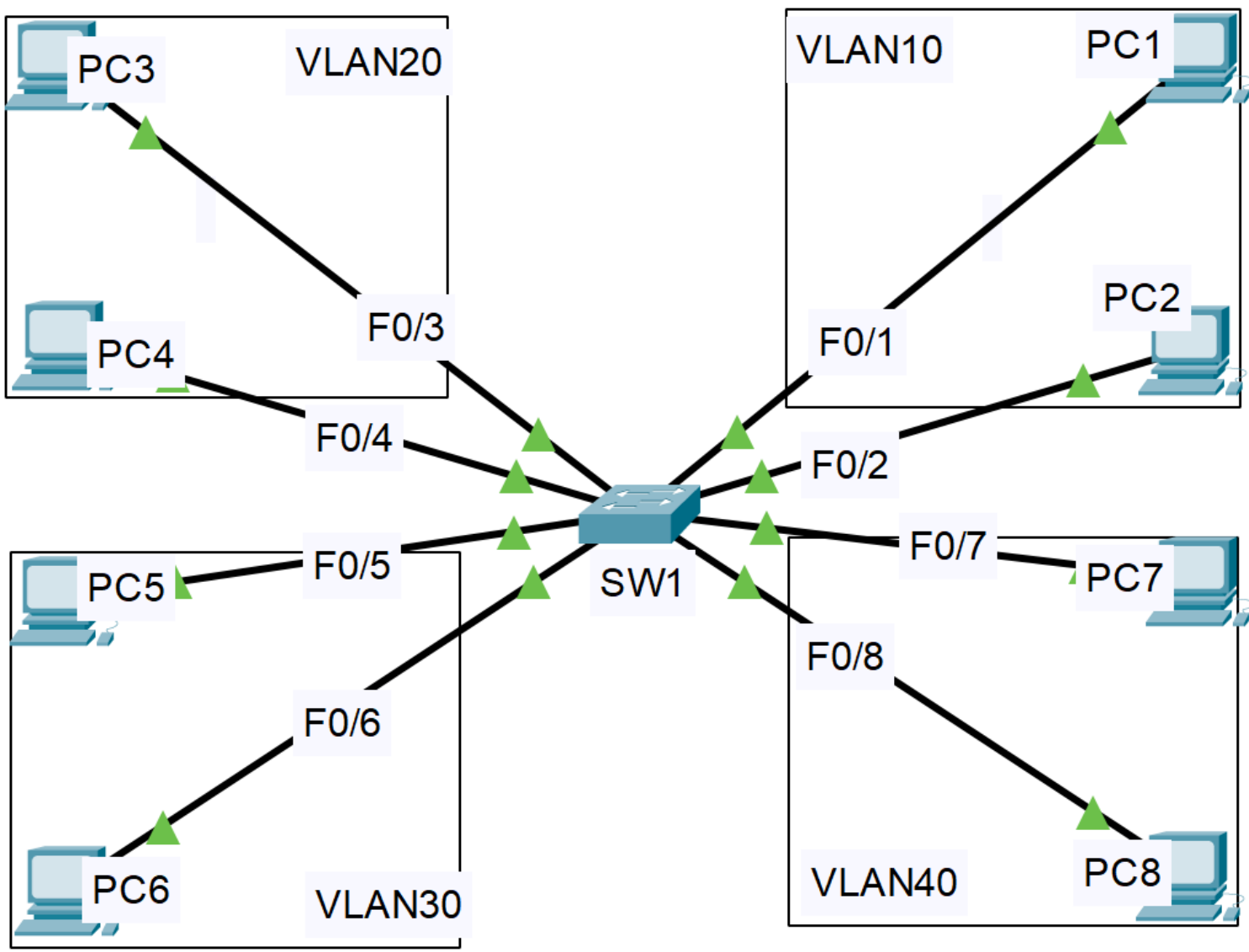# # 4 VLANs (CCNAPPN2) by @themmfuad

4 VLANs (CCNAPPN2) by @themmfuad

STEP-1: Assign IP Addresses to all PCs and The IP Addresses will be in the same subnet.

STEP-2: Create the VLANs in the Switch, example:
      Switch(config)#vlan 10
      Switch(config-vlan)#name VLAN10

STEP-3: Assign the interfaces that go to a specific VLAN into that VLAN, here's an example of VLAN10:
      Switch(config)#int range f0/1-2
      Switch(config-if-range)#switchport access vlan 10

STEP-4: Verify that every interface belongs to its specific VLAN:
      Switch#show vlan

```
10    VLAN10            active      Fa0/1, Fa0/2
20    VLAN20            active      Fa0/3, Fa0/4
30    VLAN30            active      Fa0/5, Fa0/6
40    VLAN40            active      Fa0/7, Fa0/8
```

STEP-5: Verify that devices inside a VLAN can reach each other but can't reach devices inside different VLANs through the Switch. For example, in this topology in VLAN10, PC1 & PC2 can reach out to each other but can't reach devices inside other VLANs, such as VLAN20 or 30.