**Assignment Submission**

**Heading: Networking Lab 6**

**Approach:**

* Assigned ports to appropriate VLANs on switches.
* Configured IP addresses and subnet masks for VLAN interfaces.
* Adjusted PC IP addresses to correspond with VLAN configurations.

**Solution:**

senior : assigned fa0/1 to vlan1 (did trunking and access it), assigned IP address and subnet mask

assigned fa0/2 to vlan2 (did trunking and access it), assigned diiferent subnet mask

assigned fa0/3 to vlan3 (did trunking and access it), assigned difgferent subnet mask

admin: assigned fa0/1 to vlan3 (did trunking and access it)

assigned fa0/2 to vlan2 (did trunking and access it)

assigned fa0/3 to vlan1 (did trunking and access it)

changed vlan's ip addresses and subnet masks to match with senior switch

- changed pc's ip addresses and subnet masks according to there connection with vlan.

Senior Switch:

- Ports were assigned to VLANs.

- IP addresses and subnet masks were configured.

Admin:

- Ports were reassigned to different VLANs.

- VLAN IP addresses and subnet masks were adjusted.

- PC IP addresses were updated to match VLAN configurations.