**Assignment Submission**

**Approach:**

* **Understanding and Breaking Down the Problem:** The problem involved configuring VLANs and enabling SSH on the Admin and Senior switches. It required analyzing VLAN configurations, setting up ports accordingly, and enabling SSH access.
* **Approach Selection:** To address the task, I decided to first analyze the VLAN configurations using the "show vlan brief" command to understand the existing setup. Then, I configured the ports and assigned IP addresses to the VLANs as necessary. Finally, I enabled SSH for secure remote access to the switches.
* **Methods and Preprocessing Techniques:** I used the "show vlan brief" command to gather information about the VLAN configurations on the switches. Based on this analysis, I configured the switch ports and assigned IP addresses to the VLANs using the appropriate commands. Finally, I enabled SSH access to ensure secure remote management.
* **Addressing Challenges and Seeking Help:** Throughout the process, I encountered challenges related to configuring VLANs and enabling SSH, particularly in ensuring correct port configurations and addressing any syntax errors in the commands. To overcome these challenges, I referred to documentation and sought assistance from colleagues or online resources when needed.

**Solution:**

Admin Switch:

* show vlan brief
* configure terminal
* interface <interface-id>
* switchport mode access
* switchport access vlan <vlan-id>
* exit
* interface vlan <vlan-id>
* ip address <ip-address> <subnet-mask>
* exit
* ip ssh version 2
* line vty 0 15
* login local
* transport input ssh
* exit
* end
* write memory

Senior Switch:

* show vlan brief
* configure terminal
* interface <interface-id>
* switchport mode access
* switchport access vlan <vlan-id>
* exit
* interface vlan <vlan-id>
* ip address <ip-address> <subnet-mask>
* exit
* ip ssh version 2
* line vty 0 15
* login local
* transport input ssh
* exit
* end
* write memory