**Assignment Submission**

**Approach:**

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* Understanding and Breaking Down the Problem: The problem entailed configuring switches with VLANs, MAC addresses, and IP addresses, alongside adjusting PC settings to align with these configurations.
* Approach Selection: Given the task's requirements, I chose a systematic approach to analyze and configure the switches first, ensuring VLANs, MAC addresses, and IP addresses were appropriately set up. Subsequently, I adjusted PC settings to match these configurations.
* Methods and Preprocessing Techniques: For switch configuration, I utilized the switch management interface to access and modify VLAN configurations, assign MAC addresses, and set IP addresses. Once the switch configurations were in place, I adjusted the PC settings to ensure they could communicate effectively within the configured network environment.
* Addressing Challenges and Seeking Help: Throughout the process, I encountered challenges related to VLAN setup and IP address assignment, particularly ensuring proper communication between devices. To address these challenges, I consulted documentation, online resources, and sought assistance from peers or instructors when necessary to troubleshoot and resolve issues effectively.

**Solution:**

* Analyze and configure switches with VLANs, MAC addresses, and IP addresses.
* Adjust PC settings to align with the switch configurations.