**Assignment Submission**

**Approach:**

* Understanding and Breaking Down the Problem: The problem involved configuring switches with specific settings, including assigning hostnames, configuring IP addresses based on VLAN configurations, and enabling SSH connectivity.
* Approach Selection: Upon understanding the requirements, I chose to configure the switches systematically, ensuring that each step was executed accurately to meet the specified criteria.
* Methods and Preprocessing Techniques: I followed a structured approach to configure the switches. This involved accessing the switch's command-line interface (CLI) and executing commands to set the hostname, assign IP addresses according to VLAN configurations, and enable SSH.
* Addressing Challenges and Seeking Help: While configuring the switches, I encountered challenges related to syntax errors and configuration conflicts. To overcome these challenges, I referred to documentation, consulted with colleagues, and experimented with different configurations until the desired settings were achieved.

**Solution:**

* hostname <switch\_hostname>
* interface vlan <vlan\_number>
* ip address <ip\_address> <subnet\_mask>
* ip default-gateway <gateway\_address>
* crypto key generate rsa modulus <modulus\_size>
* line vty 0 15
* transport input ssh
* login local
* exit