**Assignment Submission**

**Approach:**

* Understanding and Breaking Down the Problem: The problem involves configuring hostnames, domain names, user credentials, and enabling SSH on three different switches: Admin, Fresher, and Junior switches.
* Approach Selection: Given the specific requirements for each switch, I opted for a systematic configuration approach, ensuring consistency in setting up hostnames, domain names, user credentials, and SSH across all switches.
* Methods and Preprocessing Techniques: I used SSH to remotely access each switch and configure the necessary parameters. Additionally, I utilized configuration templates to streamline the process and ensure uniformity in settings across all switches.
* Addressing Challenges and Seeking Help: If faced with any challenges during the configuration process, I would consult relevant documentation, online resources, or seek assistance from colleagues experienced in network administration.

**Solution:**

# Admin Switch Configuration

* enable
* configure terminal
* hostname admin-switch
* ip domain-name example.com
* username admin privilege 15 secret admin\_password
* crypto key generate rsa modulus 2048
* line vty 0 15
* transport input ssh
* login local
* exit
* exit
* write memory

# Fresher Switch Configuration

* enable
* configure terminal
* hostname fresher-switch
* ip domain-name example.com
* username fresher privilege 15 secret fresher\_password
* crypto key generate rsa modulus 2048
* line vty 0 15
* transport input ssh
* login local
* exit
* exit
* write memory

# Junior Switch Configuration

* enable
* configure terminal
* hostname junior-switch
* ip domain-name example.com
* username junior privilege 15 secret junior\_password
* crypto key generate rsa modulus 2048
* line vty 0 15
* transport input ssh
* login local
* exit
* exit
* write memory