- name: Simulate RDS MySQL setup on CentOS

  hosts: db\_servers

  become: yes

  vars:

    mysql\_root\_password: "RootPass123!"

    db\_name: "testdb"

    db\_user: "dbuser"

    db\_user\_password: "UserPass123!"

  tasks:

    - name: Ensure Python 3 and pip are installed

      yum:

        name:

          - python3

          - python3-pip

        state: present

    - name: Install PyMySQL module for Python 3

      pip:

        name: PyMySQL

        executable: pip3

    - name: Install MariaDB server

      yum:

        name: mariadb-server

        state: present

    - name: Start and enable MariaDB service

      service:

        name: mariadb

        state: started

        enabled: true

    - name: Set MySQL root password

      mysql\_user:

        name: root

        host\_all: yes

        password: "{{ mysql\_root\_password }}"

        login\_unix\_socket: /var/lib/mysql/mysql.sock

      ignore\_errors: true

    - name: Create a MySQL database

      mysql\_db:

        name: "{{ db\_name }}"

        state: present

        login\_user: root

        login\_password: "{{ mysql\_root\_password }}"

    - name: Create a MySQL user with privileges

      mysql\_user:

        name: "{{ db\_user }}"

        password: "{{ db\_user\_password }}"

        priv: "{{ db\_name }}.\*:ALL"

        host: "%"

        state: present

        login\_user: root

        login\_password: "{{ mysql\_root\_password }}"