- name: db configuration

  become: true

  hosts: db\_server

  vars:

    hostname: cw\_db\_server

    db\_name: phonebook\_db

    db\_table: phonebook

    db\_user: remoteUser

    db\_password: techpro1234

  tasks:

    - name: set hostname

      ansible.builtin.shell: "sudo hostnamectl set-hostname {{ hostname }}"

    - name: Installing Mysql  and dependencies

      ansible.builtin.package:

        name: "{{ item }}"

        state: present

        update\_cache: yes

      loop:

        - mysql-server

        - mysql-client

        - python3-mysqldb

        - libmysqlclient-dev

    - name: start and enable mysql service

      ansible.builtin.service:

        name: mysql

        state: started

        enabled: yes

    - name: creating mysql user

      community.mysql.mysql\_user:

        name: "{{ db\_user }}"

        password: "{{ db\_password }}"

        priv: '\*.\*:ALL'

        host: '%'

        state: present

    - name: copy the sql script

      ansible.builtin.copy:

        src: /home/ubuntu/ansible-lesson/phonebook/init.sql

        dest: ~/

    - name: creating phonebook\_db

      community.mysql.mysql\_db:

        name: "{{ db\_name }}"

        state: present

    - name: check if the database has the table

      ansible.builtin.shell: |

        echo "USE {{ db\_name }}; show tables like '{{ db\_table }}'; " | mysql

      register: resultOfShowTables

    - name: DEBUG

      ansible.builtin.debug:

        var: resultOfShowTables

    - name: Import database table

      community.mysql.mysql\_db:

        name: "{{ db\_name }}"   # This is the database schema name.

        state: import  # This module is not idempotent when the state property value is import.

        target: ~/init.sql # This script creates the products table.

      when: resultOfShowTables.stdout == "" # This line checks if the table is already imported. If so this task doesn't run.

    - name: Enable remote login to mysql

      ansible.builtin.lineinfile:

         path: /etc/mysql/mysql.conf.d/mysqld.cnf

         regexp: '^bind-address'

         line: 'bind-address = 0.0.0.0'

         backup: yes

      notify:

         - Restart mysql

  handlers:

    - name: Restart mysql

      ansible.builtin.service:

        name: mysql

        state: restarted