DB Server
Requirements:

Summary: To be build a DB server that can be used for student projects:

a. Students can ssh into the db server vm to run DB SQL commands - OK
b. Students can add to their table data - OK
c. ECC staff has to create user accounts for students to be able to login via SSH - OK
d. ECC staff has to create DB user account so students can login to Maria DB to populate data - (OK same as vm creds)
e. Secure host so that anonymous cannot login to server nor create/add to DB. Must only accept access from users - OK
f. Restrict DB listening only to specific IP range - PENDING
g. Create scripts to achieve step C and D - OK
h. Create script to remove users from C and D - PENDING
i. Create script to delete DB data of a user that no longer needs access. - PENDING
j. Document all steps above with commands and screenshots - OK

Final steps to run
ansible-playbook -vv -i inventory.ini setup_db_server.yml

```
Inventory.ini:
[myhosts]
10.0.0.47
```

```
Users_to_create.json:
{
 "student1": "SecurePass123",
 "student2": "MyPassword456",
 "john_doe": "JohnPass789",
 "alice_smith": "AliceSecure2024",
 "bob_jones": "BobPass999",
 "mary_wilson": "MaryPass321"
}
```

All the files need to be in the same directory

- User management can be done through the app.py python server or users + db can be deleted using wipe_users.yml script

https://github.com/Jaypatil588/Database-automate-for-ECC