

Done



Welcome 施自強 from Using Databases with Python

Your current grade on this assignment is: 100%

To get credit for this assignment, perform the instructions below and enter the code you get here:

(Hint: starts with XYZZY414A7)

# Instructions

This application will read roster data in JSON format, parse the file, and then produce an SQLite database that contains a User, Course, and Member table and populate the tables from the data file.

You can base your solution on this code: <http://www.py4e.com/code3/roster/roster.py>

(<https://www.py4e.com/code3/roster/roster.py?PHPSESSID=054d331739bba1e2600beda3ad9da2fb>) - this code is incomplete as you need to modify the program to store the **role** column in the **Member** table to complete the assignment.

Each student gets their own file for the assignment. Download this file:

- Download your roster.json data ([roster\\_data.php?PHPSESSID=054d331739bba1e2600beda3ad9da2fb](http://roster_data.php?PHPSESSID=054d331739bba1e2600beda3ad9da2fb))

And save it as `roster_data.json`. Move the downloaded file into the same folder as your `roster.py` program.

Once you have made the necessary changes to the program and it has been run successfully reading the above JSON data, run the following SQL command:

```
SELECT User.name, Course.title, Member.role FROM  
    User JOIN Member JOIN Course  
    ON User.id = Member.user_id AND Member.course_id = Course.id  
    ORDER BY User.name DESC, Course.title DESC, Member.role DESC LIMIT 2;
```

The output should look as follows:

```
Zunairah|si364|0  
Zohra|si363|0
```

Once that query gives the correct data, run this query:

**Done**

```
SELECT 'XYZZY' || hex(User.name || Course.title || Member.role ) AS X FROM
  User JOIN Member JOIN Course
    ON User.id = Member.user_id AND Member.course_id = Course.id
ORDER BY X LIMIT 1;
```

You should get one row with a string that looks like **XYZZY53656C696E613333**.