

Press **Esc** to exit full screen

Code Sample

roster.py

<https://www.py4e.com/code3.zip>

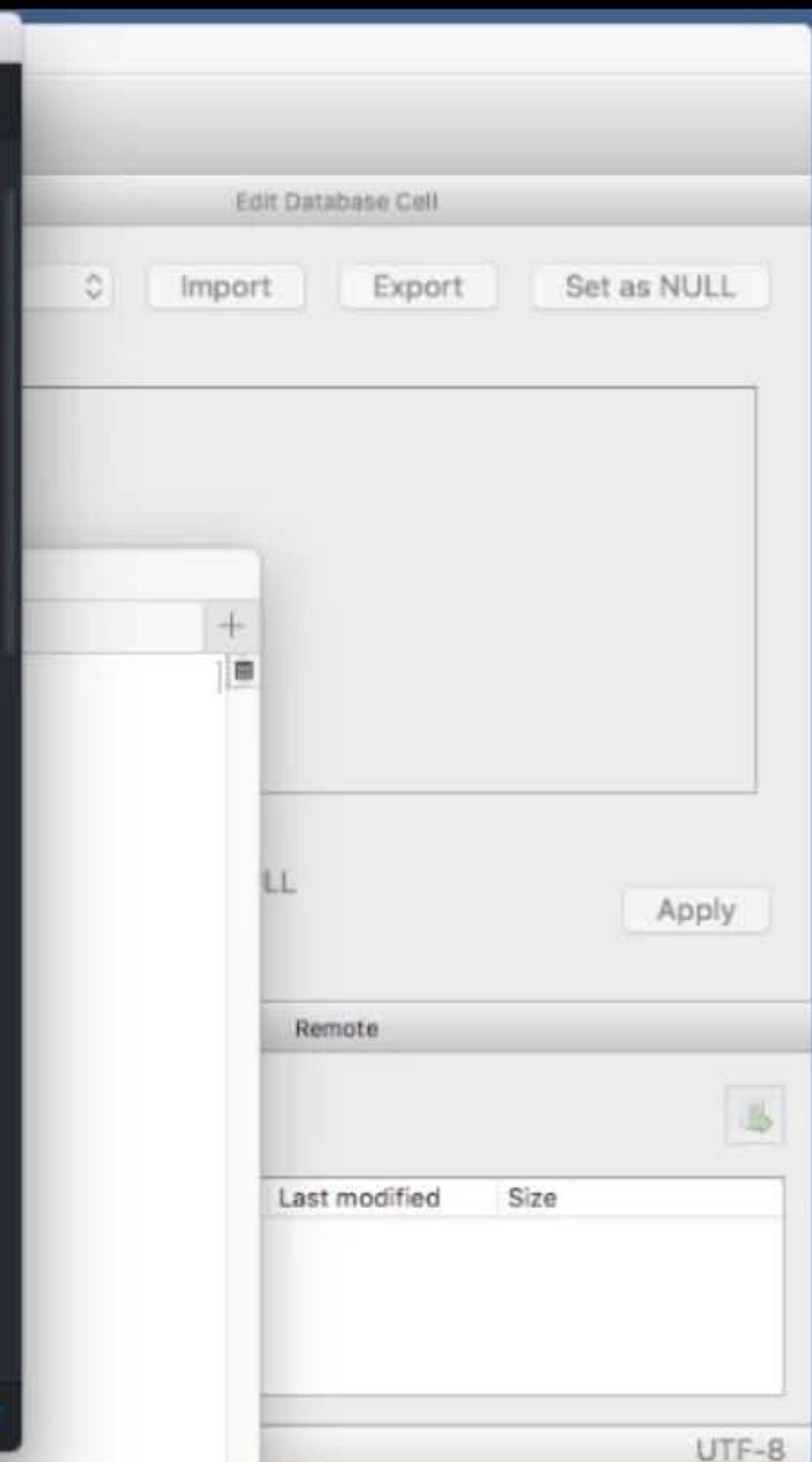
Chapter 15

**CHARLES
SEVERANCE**

**PYTHON
FOR EVERYBODY**


```
roster.py — /Applications/MAMP/htdocs/py4e/code3/roster
roster_data_sample.json roster.py
roster_data_sample.json
roster.py

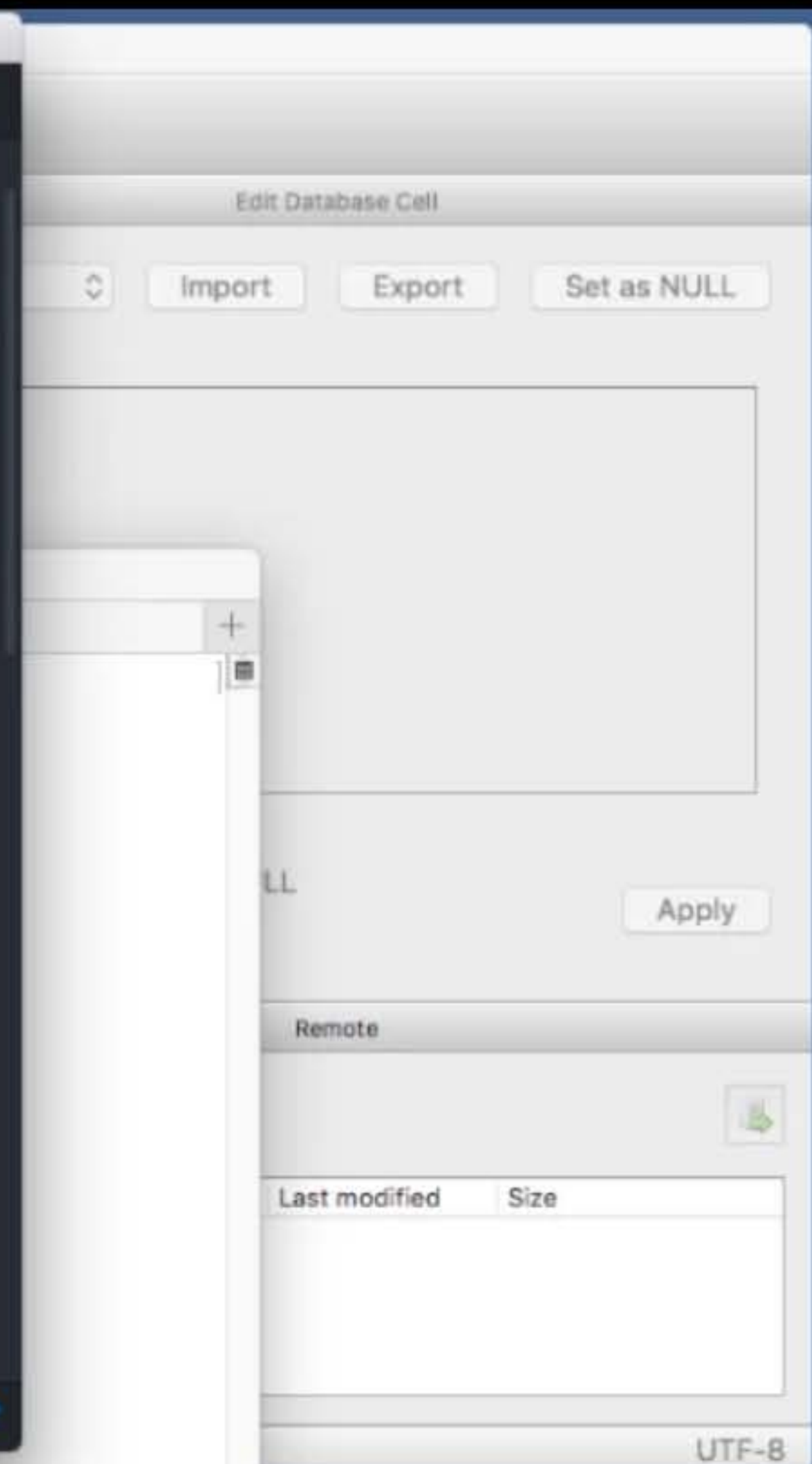
3
4 conn = sqlite3.connect('rosterdb.sqlite')
5 cur = conn.cursor()
6
7 # Do some setup
8 cur.executescript('''
9 DROP TABLE IF EXISTS User;
10 DROP TABLE IF EXISTS Member;
11 DROP TABLE IF EXISTS Course;
12
13 CREATE TABLE User (
14     id      INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT UNIQUE,
15     name    TEXT UNIQUE
16 );
17
18 CREATE TABLE Course (
19     id      INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT UNIQUE,
20     title   TEXT UNIQUE
21 );
22
23 CREATE TABLE Member (
24     user_id  INTEGER,
25     course_id INTEGER,
26     role     INTEGER,
27     PRIMARY KEY (user_id, course_id)
```



What unique means is if you try to insert the same string into this column,

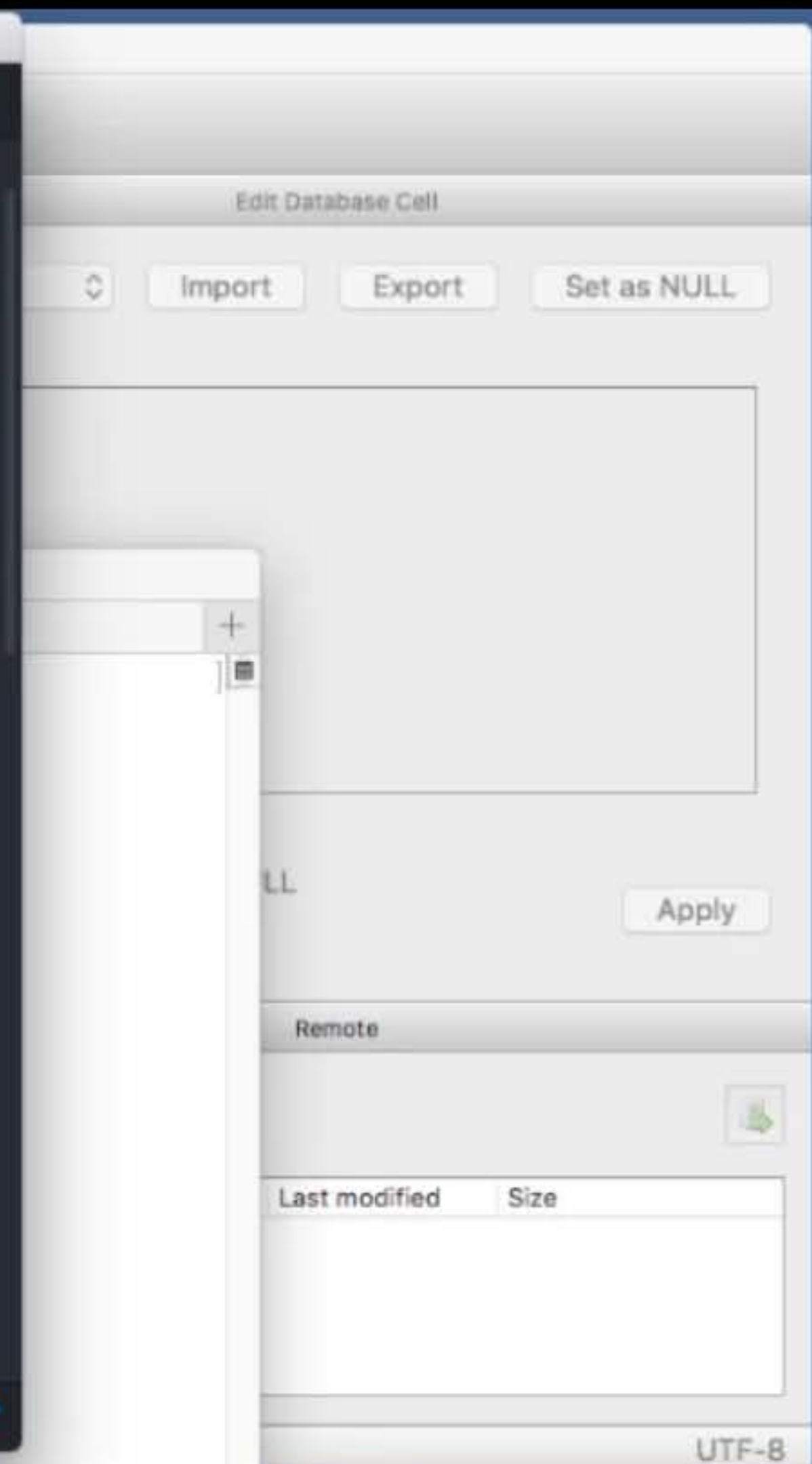
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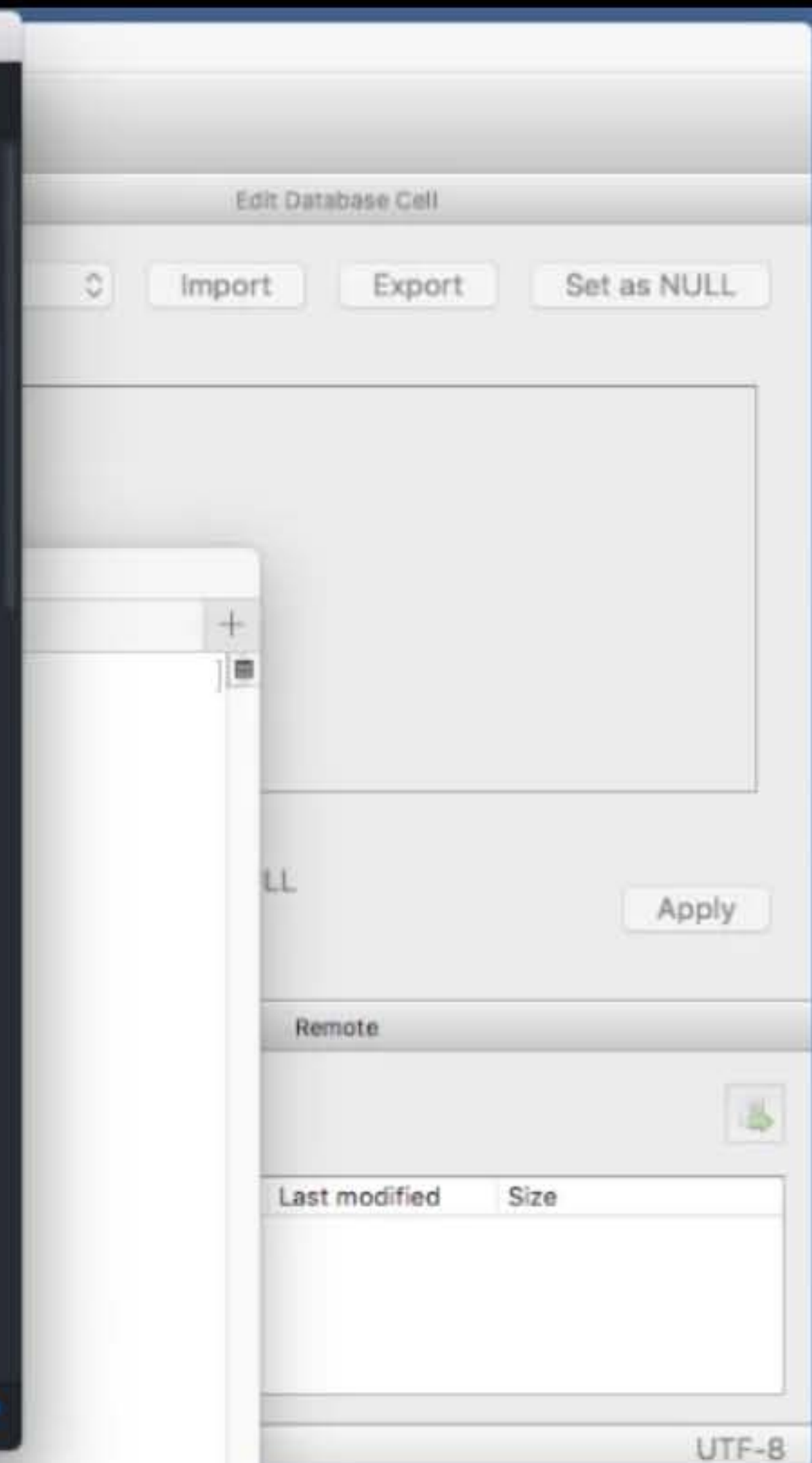
then it's going to fail the second time
because it's going to


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refuse to create a new record.

```
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roster.py
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But the cursor is generally like the file handle to the database server.