SQLite3 Exercise 2

Read the tutorial on SQLite3 and watch the video on SQLlite3 with Python before trying this.
NOTE in the video that SHE makes an error and does not include the commit statement in her tutorial.

Using Pycharm, Python and SQLite3, you are to add a Genres table to your existing SQLite3 database.

Part 1 - 25 Points

The Genres table will have 2 columns - "genre" and "city".
Both attributes are text.

The data you will insert into this table will be:

Rock	Los Angeles
Hippie	Eugene
Opera	Florence

Once you have the table created and data inserted, print your table out.

Once you have done that, change your Python/SQLite3 code to select the rows from the Artists table where there is a match between the genre in the Artists table and the genre in the Genres table.

This will require you to JOIN the two tables using an INNER JOIN. JOINS

```
C:\Users\jcagn\PycharmProjects\pythonProject9\Scripts\python.exe C:\Users\jcagn\Pycharm
('Miley',)
('Brittany',)
```

Notice this does not include Eminen or Dolly because "HipHop" and "Country" are not in our Genres table. Nor should it include "Opera" as there is no Artist for "Opera".

Part 2 - 75 Points

Create a Third Table of Cities with "city" (Primary Key), "state", "zip code", "population".

Los Angeles	CA	66666	10,000,000
Eugene	OR	55555	80,000
Nashville	TN	11111	1,500,000

Once you have done that, change your Python/SQLite3 code to query a user asking which Artist they would like to know more about.
When an Artist is entered, you should respond telling:

"Genre" artist "artist" has "xx" recordings and is most popular in "city" with a population of "population".

If the artist requested is "Miley", print out:

"Rock artist Miley has 14 recordings and is most popular in Los Angeles with a population of 10,000,000"

```
Rock artist Miley has 14 recordings and is most popular in Los Angeles with a population of 1000000
```

If the artist requested is in a Genre that is NOT in the Genres table, print out:

"HipHop artist Eminem has 98 recordings and is popular everywhere"

```
HipHop artist Eminem has 98 recordings and is popular everywhere
```

When you are done, Zip your Python code and your database file(.db) into one zip file and submit.

Database

```
Music_Artists
(1, 'Miley', 'Rock', 14)
(2, 'Eminem', 'HipHop', 98)
(3, 'Dolly', 'Country', 123)
(4, 'Brittany', 'Rock', 37)
Genre
(1, 'Rock', 'Los Angeles')
(2, 'Hippie', 'Eugene')
(3, 'Opera', 'Florence')
City
(1, 'Los Angeles', 'CA', '66666', 1000000)
(2, 'Eugene', 'OR', '55555', 80000)
(3, 'Nashville', 'TN', '11111', 1500000)
```

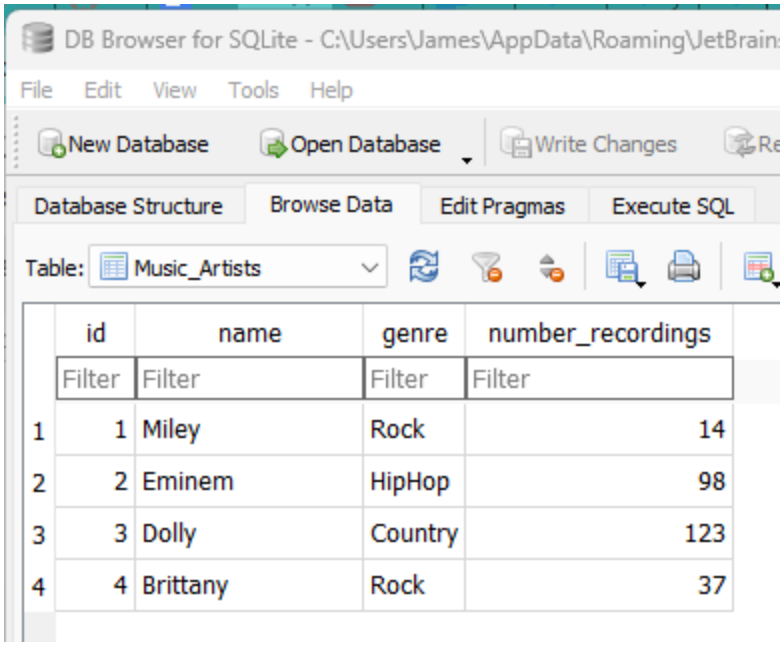

Table: Genre

	id	genre	city
	Filter	Filter	Filter
1	1	Rock	Los ...
2	2	Hippie	Eugene
3	3	Opera	Florence

Table: City

	id	city	state	zip	population
	Filter	Filter	Filter	Filter	Filter
1	1	Los ...	CA	66666	1000000
2	2	Eugene	OR	55555	80000
3	3	Nashville	TN	11111	1500000