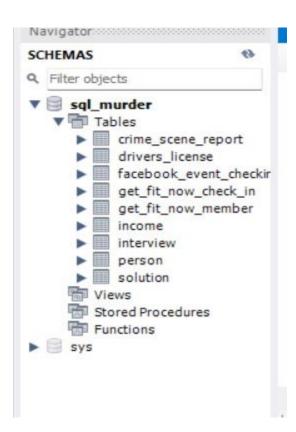


PREPINSTA INTERNSHIP TASK 5

SQL Murder Mystery - MySQL Workbench

STEP 1:

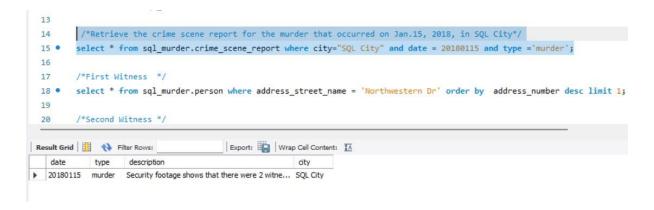
After Importing the Database, we will verify the tables present in schema.



STEP 2:

Now, a crime has taken place and the detective needs your help. The detective gave you the crime scene report, but you somehow lost it. You vaguely remember that the crime was a murder that occurred sometime on Jan.15, 2018, and that it took place in SQL City.





STEP 3:

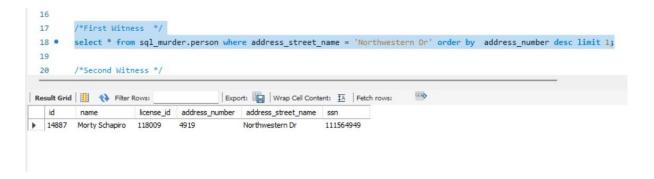
According to the output, security footage shows that there were 2 witnesses.

- 1st witness lives at the last house on "Northwestern Dr".
- 2nd witness, named Annabel, lives somewhere on "Franklin Ave".

In order to find the first witness, we will search database with the matching parameters. First witness lives on LAST house of Northwestern Dr.

To find the person we will perform the query with following steps:

- 1. Select the person table
- 2. Find address_street_name Northwestern Dr
- 3. Find the first name in Descending order

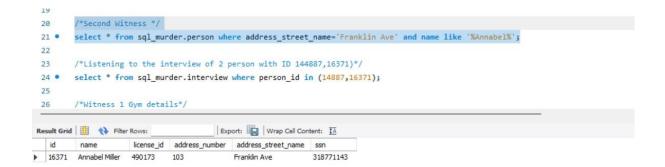


STEP 4:

In order to find the second witness, we will search database with the matching parameters. First witness lives on somewhere in Franklin Ave and her name is Annabel. To find the person we will perform the query with following steps:

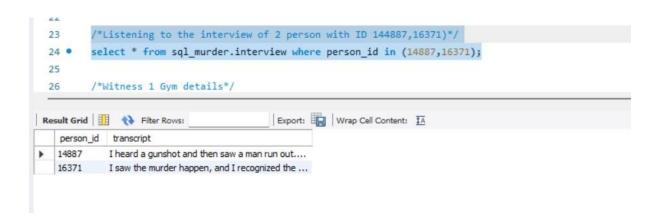
- 1. Select the person table
- 2. Find address_street_name Franklin Ave
- 3. Find the name like Annabel





STEP 5:

After retrieving their id, hear about their interview and note for clues. We will note the transcript of witnesses of id 14887 and 16371.



STEP 6:

ID 14887 : Gold member of GET FIT NOW GYM.

Membership number starting with 48Z.

Has car with number plate including H42W.

ID 16371: Gym Checkin on 9th Jan 2018.

According to first witness, the culprit has following characteristics:

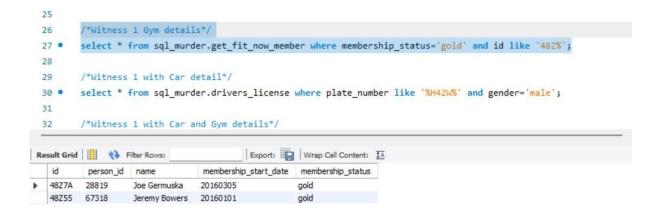
• Is a male



- · Gold Member of Get Fit Now Gym
- Bag with membership number starting with 48Z
- Has car number plate including H42W.

To find the person we will perform the query with following steps:

- 1. Select the get_fit_now_member table
- 2. Find membership_status Gold
- 3. Find the id like 48Z



- 4. Select drivers_license table.
- 5. Find plate_number like H42W
- 6. The culprit should be male





STEP 7:

- Inner joining get_fit_now_member with drivers_license table.
- Search the culprit over same parameters with witness 1's note.



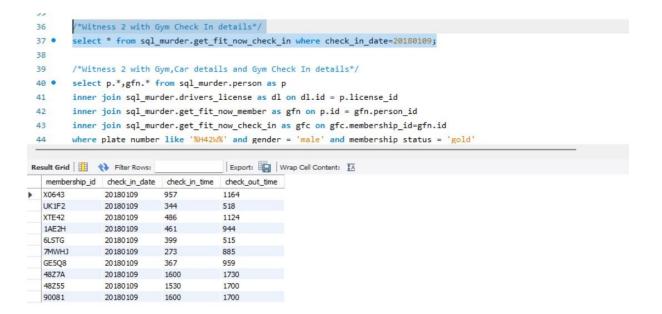
STEP 8:

According to second witness, the culprit has following characteristics:

- Member of Get Fit Now Gym
- He checked in Gym on 9 Jan 2018

To find the person we will perform the query with following steps:

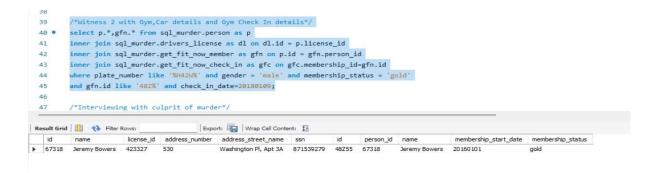
- 1. Select the get_fit_now_check_in table
- 2. Find date 20180109





STEP 9:

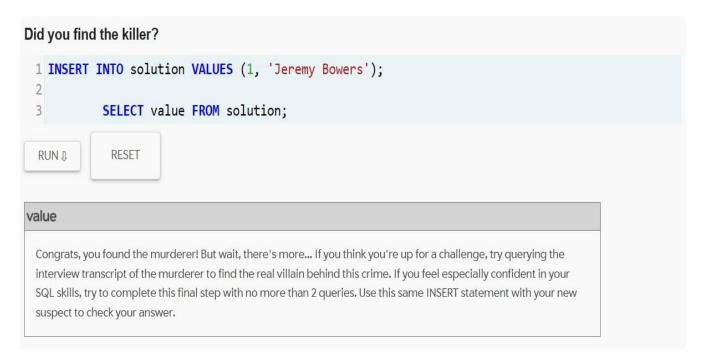
Finding out the final culprit after validating the notes given by two witnesses. Using the Inner Join, we find the actual culprit of the murder.



STEP 10:

CHECKING FOR JERMEY BOWERS IN SOLUTION

Check your solution





STEP 11:

To find the mastermind behind all these mess, we need to interview JEREMY BOWERS We will check for his transcripts in interview table.

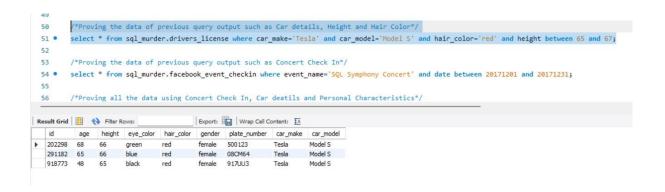
STEP 12:

As per JEREMY BOWERS' interview, he concluded the characteristics of the mastermind. The characteristic:

- Gender Female
- Height Between 65" and 67"
- Hair Red
- Car Tesla Model S
- Concert SQL Symphony Concert [3 Times in December]

To find the person we will perform the query with following steps:

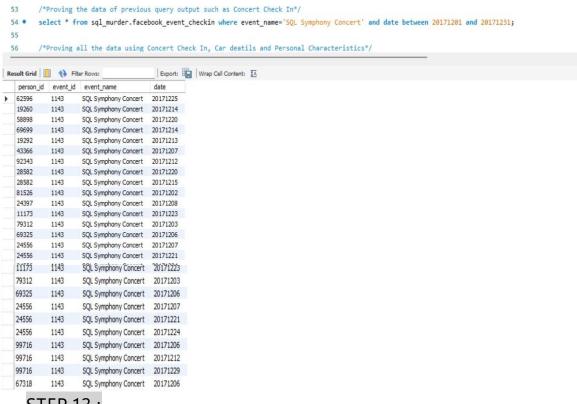
- 1. Select the table drivers license
- 2. Search for hair_color red
- 3. Search for car_make Tesla and car_model Model S
- 4. Ranging the age between 65" and 67"



5. Select facebook event checkin



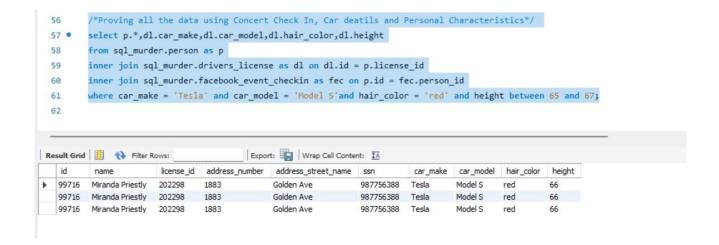
- 6. Search for event_name SQL Symphony Concert
- 7. Ranging the date between 20171201 and 20171231



STEP 13:

We will now Inner Join the person, drivers_license, facebook_event_checkin and income tables on common parameters to find mastermind.

Also check if the person has a good annual_income.

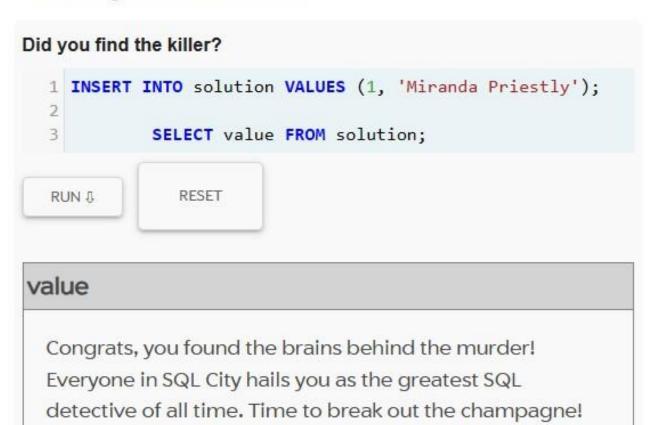




STEP 14:

CHECKING FOR MIRANDA PRIESTLY IN SOLUTION

Check your solution





MY WHOLE WORK IN MYSQL - WORKBENCH

