



## **SQL Murder Mystery**

Link: https://mystery.knightlab.com/

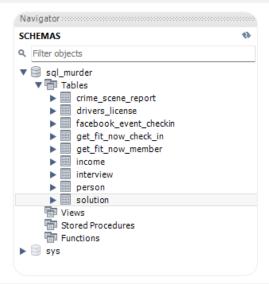
Stepwise Query
On MySQL Workbench



Week 5



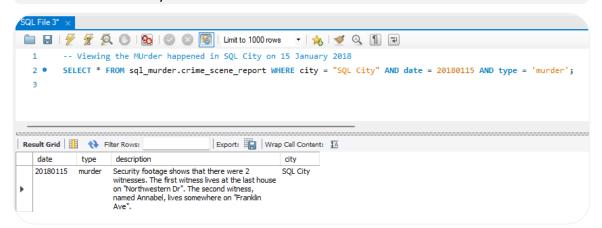
After Importing the Database, we will verify the tables present in schema



Till now we can only remember the date and place of murder.

Date: 15 January, 2018

Place: SQL City

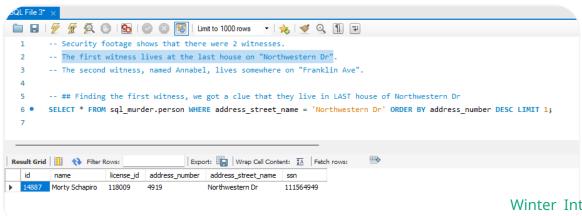


In order to find the first witness, we will search database with the matching parameters.

First witness lives on LAST house of Northwestern Dr.

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

- Select the person table
- Find address\_street\_name Northwestern Dr
- Find the first name in Descending order

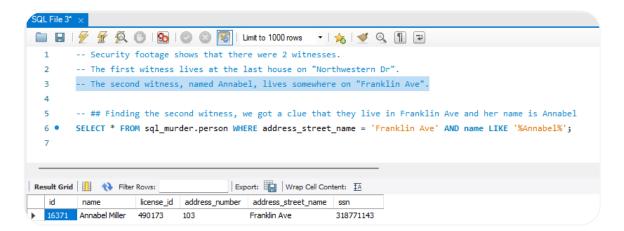




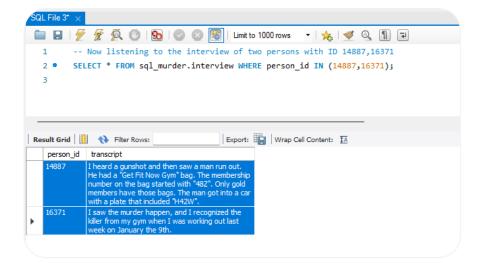
In order to find the second witness, we will search database with the matching parameters.

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:

- Select the person table
- Find address\_street\_name Franklin Ave
- Find the name like Annabel



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



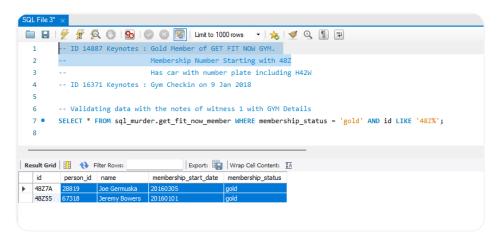
According to first witness, the culprit has following characteristics:

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

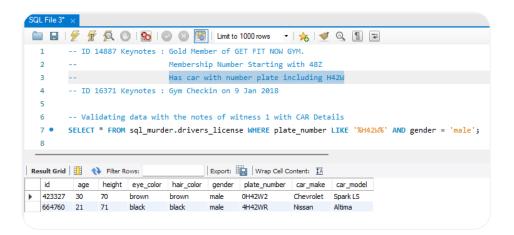
To find the person we will perform the query with following steps:

- Select the get\_fit\_now\_member table
- 2. Find membership\_status Gold
- Find the id like 48Z

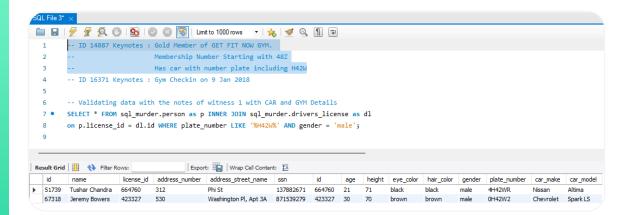




- 4. Select drivers\_license table.
- 5. Find plate\_number like H42W
- 6. The culprit should be male



- Inner joining get\_fit\_now\_member with drivers\_license table.
- Search the culprit over same parameters with witness 1's note.



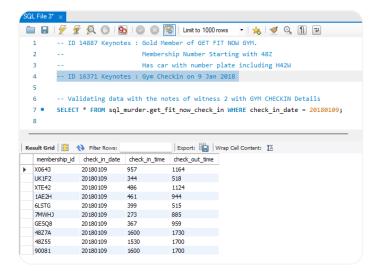
According to second witness, the culprit has following characteristics:

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



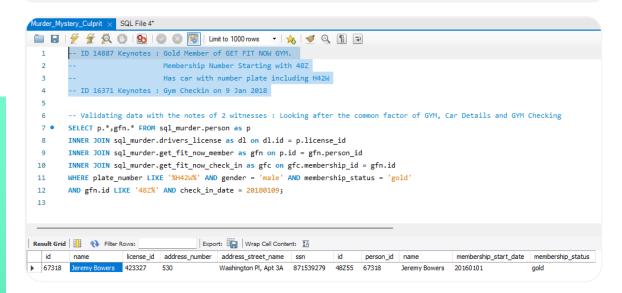
To find the person we will perform the query with following steps:

- Select the get\_fit\_now\_check\_in table
- 2. Find date 20180109

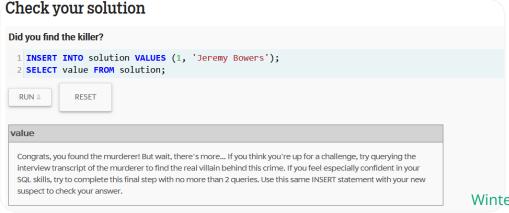


Finding out the final culprit after validating the notes given by two witnesses.

Using the Inner Join, we find tha actual culprit of the murder.



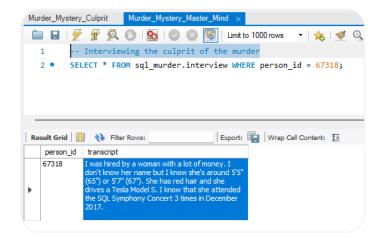
## Checking for JEREMY BOWERS in solution





To find the mastermind behind all these mess, wee need to interview JEREMY BOWERS

We will check for his transcripts in interview table



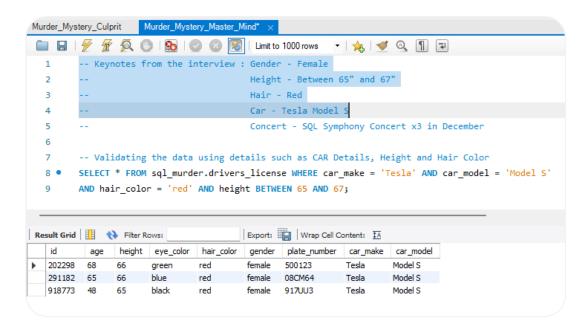
As per JEREMY BOWERS' interview, he concluded the characteristics of the mastermind.

The characteristic:

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

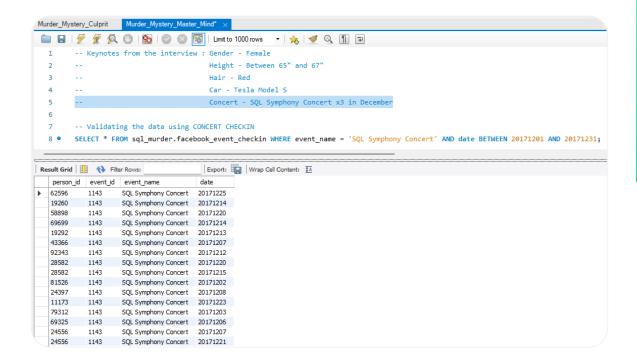
To find the person we will perform the query with following steps:

- Select the table drivers\_license
- 2. Search for hair\_color red
- Search for car\_make Tesla and car\_model Model S
- Ranging the age between 65" and 67"



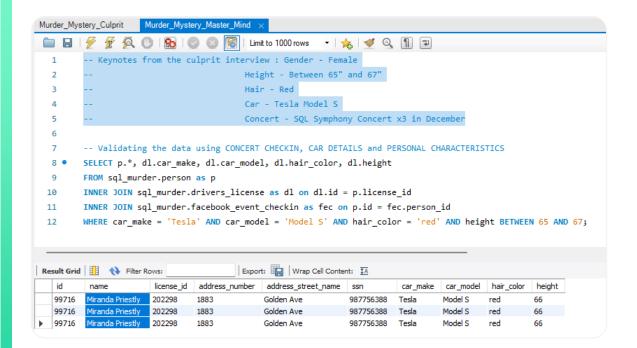


- 5. Select facebook\_event\_checkin
- 6. Search for event\_name SQL Symphony Concert
- 7. Ranging the date between 20171201 and 20171231



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.





## Checking for MIRANDA PRIESTLY in solution



## **MySQL Workbench**

