Hope this mail finds you well. It is our pleasure to make contributions for the public safety around our community. Here are the steps we have done to find the person who may take responsibility for the murder:

 Firstly, we found the corresponding report accouding to the crime date, type and locations. We can see there are 2 witnesses. In the following steps, we would like to found these two persons' personal information.

• For the <u>first witness</u> who lives at the last house on 'Northwestern Dr', we found:

• For the second witness named Annabel lives on 'Franklin Ave', we found:

mysql> select * from Person where name like '%Annabel%' and address_street_name = 'Franklin Ave';						
id	name	license_id	address_number	address_street_name	ssn	
16371	Annabel Miller	490173	103	Franklin Ave	318771143	
1 row in set (0.05 sec)						

- Since we found the accurate witnesses' information, now we can have a look about there interview:
  - This is from Morty's interview:

• This is from Annabel's interview:

·	kaanana dari dari Taranana daran daran Tarananan daran dari dari dari dari dari dari dari dari	
person_id	transcript	
16371	:   I saw the murder happen, and I recognized the killer from my gym when I was working out last week	on January the 9th.

- Therefore, we know that the murder enrollled the 'Get Fit Now Gym' and worked out at January, 9th, also his(maybe her) gold membership number started with '48Z'. And he had a car with a plate that included 'H42W'
  - Now, we firstly find the car information

mysql> select * from driversLicense where plate_number like '%H42W%';								
id	age	height	eye_color	hair_color	gender	plate_number	car_make	car_model
183779     423327     664760	21 30 21	70	blue   brown   black	blonde   brown   black		H42W0X   0H42W2   4H42WR	Toyota   Chevrolet   Nissan	Prius     Spark LS     Altima
3 rows in set (0.05 sec)								

• Then, we find corresponding persom

```
mysql> select * from Person where license_id in (183779, 423327, 664760);
                           license_id |
                                         address_number
  id
                                                           address_street_name
                                                                                    ssn
  78193
          Maxine Whitely
                                                                                    137882671
                                183779
                                                           Fisk Rd
                                                           Washington Pl, Apt 3A
  66725
          Rashida Jones
                                423327
                                                    530
                                                                                    871539279
          Tushar Chandra
  51739
                                664760
                                                    312
                                                           Phi St
                                                                                    137882671
 rows in set (0.05 sec)
```

## Alternate query:

Next, we take a look at the information from the gym

• From above, we found the killer was the person with id 66725, now let's take a look with her transcripts.

```
mysql> select * from people_interview where person_id = 66725;

| person_id | transcript

| 66725 | I was hired by a woman with a lot of money. I don't know her name but I know she's around 5'5" (65") or 5'7" (67"). She has red hair and she drives a Tesla Model S. I know that she attended the SQL Symphony Concert 3 times in December 2017.

| row in set (0.04 sec)
```

- From the killer's transcript, we found she was <u>hired by someone else for this murder who has height</u> <u>between 65 and 67, had red hair and owned Tesla Model S, also attended the SQL Symphony Concert 3</u> times in December 2017
  - We started with driverlicense table, since people may lied about rhe gender so we ignored filtering gender conditions

• Then, we investigated the event table and finally found the person

 Therefore, the killer was the person with id 66725, and she was hired but the woman with id 99651, following are theire personal information

nysql> select * from Person where id in (66725, 99651);							
id	name	license_id	address_number	address_street_name	ssn		
	Rashida Jones Uma Thurman	423327 202298	530   1883	Washington Pl, Apt 3A Golden Ave	871539279   987756388		
rows in set (0.05 sec)							

Above is our investigation process. Hope this will be helpful for you.

Regards,

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