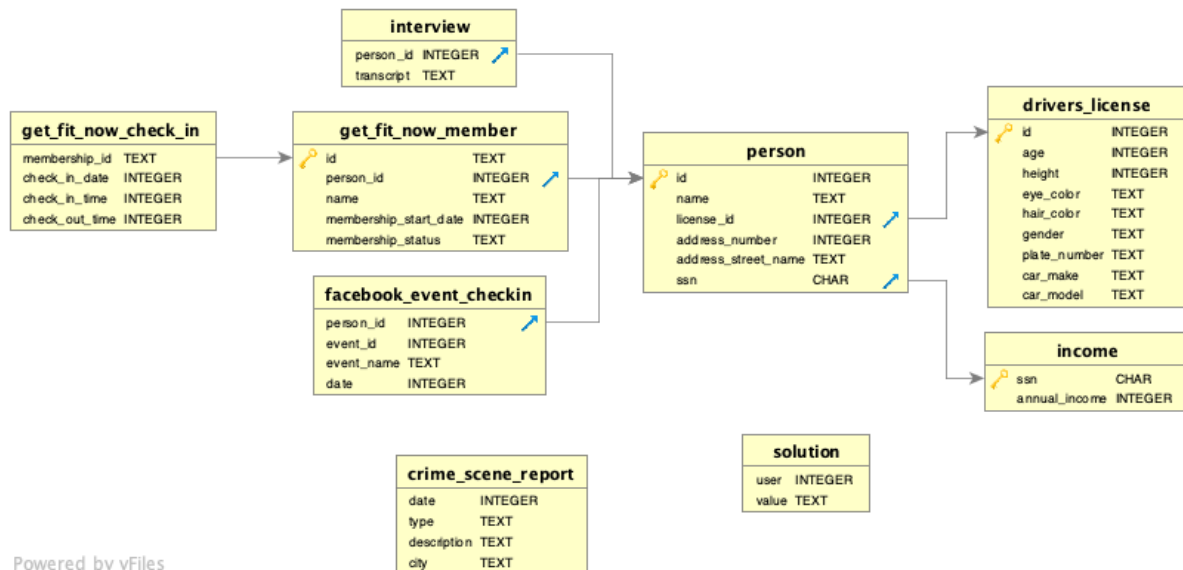


# SQL Murder Mystery

Schema diagram:-



We have: -

Date - Jan.15, 2018

Place = SQL City

## 1. Query

```
select * from crime_scene_report
where date = 20180115 and City = 'SQL City' and type = 'murder'
```

Now we have: -

date	type	description	city
20180115	murder	Security footage shows that there were 2 witnesses. The first witness lives at the last house on "Northwestern Dr". The second witness, named Annabel, lives somewhere on "Franklin Ave".	SQL City

Now we have two names (witness)

Name	address	house no.
N/A	Northwestern Dr	last/(max)
Annabel	Franklin Ave	N/A

With this data we gonna use some queries to find more details which are provided in **person** Table

## 2. Query

```
select * from person
where address_street_name = 'Northwestern Dr' and
address_number = (select max(address_number) from person)
```

Now we have:-

id	name	license_id	address_number	address_street_name	ssn
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14887	Morty Schapiro	118009	4919	Northwestern Dr	111564949
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### 3. Query

```
select * from person
where address_street_name = 'Franklin Ave' and name like 'Annabel%'
```

Now we have:-

id	name	license_id	address_number	address_street_name	ssn
16371	Annabel Miller	490173	103	Franklin Ave	318771143

With this data we going to find some more data related to the murder so we have to check the **interview** table to know that what these persons have seen and told about the murder.

### 4. Query

```
select * from interview
where person_id = 14887 or person_id = 16371
```

Now we have:-

person_id	transcript
14887	I heard a gunshot and then saw a man run out. He had a "Get Fit Now Gym" bag. The membership number on the bag started with "48Z". Only gold members have those bags. The man got into a car with a plate that included "H42W".
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.

With this data, we have to find the gold members in the gym and know more about them so we have to use **get\_fit\_now\_member** table

### 5. Query

```
select * from get_fit_now_member
where membership_status = 'gold' and id like '%48Z%'
```

Now we have two persons:-

id	person_id	name	membership_start_date	membership_status
48Z7A	28819	Joe Germuska	20160305	gold
48Z55	67318	Jeremy Bowers	20160101	gold

Now we going to use the 2nd person statement for that we have to use **get\_fit\_now\_check\_in** table

#### 6. Query

```
select * from get_fit_now_check_in
where membership_id = '48Z7A' or membership_id = '48Z55'
and check_in_date = 20180109
```

Now we havr the data:-

membership_id	check_in_date	check_in_time	check_out_time
48Z7A	20180109	1600	1730
48Z55	20180109	1530	1700

Now we have the check\_in and check\_out time of both the persons now we gonna use facebook\_event\_checkin to find more insights about the murder

#### 7. Query

```
select * from facebook_event_checkin
where date = 20180115 and person_id = 28819 or person_id = 67318
```

person_id	event_id	event_name	date
67318	4719	The Funky Grooves Tour	20180115
67318	1143	SQL Symphony Concert	20171206

The person\_id 67318 was in the Facebook event on the date of 15 Jan 2018

If we want to know more about them we have to use person table to find license\_id so we can know that who have the number plate with “H42W”

#### 8. Query

```
select * from person
where id = 28819 or id = 67318
```

id	name	license_id	address_number	address_street_name	ssn
28819	Joe Germuska	173289	111	Fisk Rd	138909730

67318	Jeremy Bowers	423327	530	Washington Pl, Apt 3A	871539279
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If we use the license\_id to find the number plate of the car from drivers\_license table

## 9. Query

```
select * from drivers_license
where id = 423327
```

id	age	height	eye_color	hair_color	gender	plate_number	car_make	car_model
423327	30	70	brown	brown	male	oH42W2	Chevrolet	Spark LS

Now we have the murderer.

And the name of the murderer is **'Jeremy Bowers'**

We found the murderer but we have to find the mind behind the murderer

## 10. Query

```
select * from interview
where person_id = 67318
```

person_id	transcript
67318	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.

We have to find the lady's details so we gonna use the details that we got from the murderer

## 11. Query

```
select * from drivers_license
```

where hair\_color = 'red' and height between 65 and 67 and car\_make = 'Tesla'

id	age	height	eye_color	hair_color	gender	plate_number	car_make	car_model
202298	68	66	green	red	female	500123	Tesla	Model S
291182	65	66	blue	red	female	08CM64	Tesla	Model S
918773	48	65	black	red	female	917UU3	Tesla	Model S

## 12. Query

select \* from person

where license\_id = 202298 or license\_id = 291182 or license\_id = 918773

id	name	license_id	address_number	address_street_name	ssn
78881	Red Korb	918773	107	Camerata Dr	961388910
90700	Regina George	291182	332	Maple Ave	337169072
99716	Miranda Priestly	202298	1883	Golden Ave	987756388

## 13. Query

select person\_id, count(\*) from facebook\_event\_checkin

where person\_id = 78881 or person\_id = 90700 or person\_id = 99716

group by event\_name

person_id	count(*)
99716	3

Now we found the brains behind the murder is **Miranda Priestly**

Foundations: Data, Data, Every... x Course: Data Analyst Skillpath... x The SQL Murder Mystery x +

mystery.knightlab.com

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## Check your solution

Did you find the killer?

```
1 INSERT INTO solution VALUES (1, 'Miranda Priestly');
2
3 SELECT value FROM solution;
```

RUN RESET

value

Congrats, you found the brains behind the murder! Everyone in SQL City hails you as the greatest SQL detective of all time. Time to break out the champagne!

## Credits

The SQL Murder Mystery was created by [Joon Park](#) and [Cathy He](#) while they were Knight Lab

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Solved 😊

If you want to solve this problem use this link:- [Sql murder mystery](#)