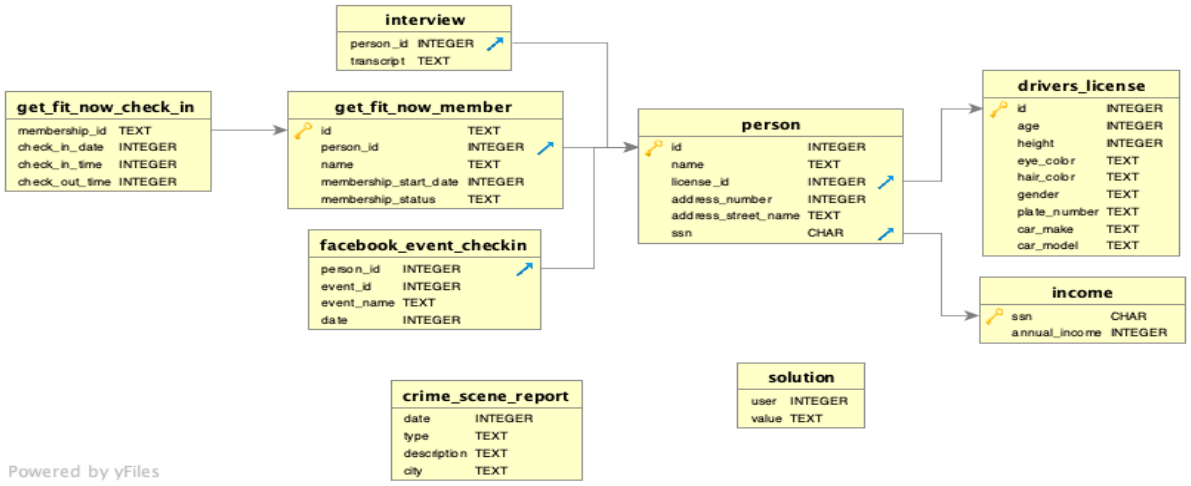
SQL Murder Mystery

First Thing i Know

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**

Schema of the Table:



And a/q to clue:

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 select * from crime_scene_report
2 where date='20180115' and city ='SQL City' and type ='murder'
3 ;
4
5
6
7
8
9
```

RUN ⇩ RESET

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

1. Last house of Northwestern Dr
   select * from person
where address_street_name='Northwestern Dr'
order by address_number desc;

id	name	license_id	address_number	address_street_name	ssn
14887	Morty Schapiro	118009	4919	Northwestern Dr	111564949

And we have to also find what they said in interview

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 select * from interview where person_id=14887;
2
3
4
5
6
7
8
```

RUN ⇩ RESET

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".

From above info we i can find

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

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

RUN ⇩ RESET

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

2.Named is Annabel and live in Franklin Ave

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

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

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
select * from interview where person_id=16371;
```

RUN ⇩ RESET

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.

From above statement

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
om get_fit_now_check_in where check_in_date='20180109' and membership_id like '48Z%';
```

RUN ⇩ RESET

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

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 select * from person where plate_number like '%H42W%';
2
3
4
5
6
7
```

RUN ⇩ RESET

id	age	height	eye_color	hair_color	gender	plate_number	car_make
183779	21	65	blue	blonde	female	H42W0X	Toyota
423327	30	70	brown	brown	male	0H42W2	Chevrolet
664760	21	71	black	black	male	4H42WR	Nissan

Now we can verify they are talking about the right person
And from licence id we can verify the killer as i see common is Jeremy Bowers

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 select * from person where license_id in (183779,423327,664760);
2
3
4
5
6
7
```

RUN ⇩ RESET

id	name	license_id	address_number	address_street_name	ssn
51739	Tushar Chandra	664760	312	Phi St	1378826
67318	Jeremy Bowers	423327	530	Washington Pl, Apt 3A	8715392
78193	Maxine Whitely	183779	110	Fisk Rd	1378826

After entering the killer name what i get the msg as below:-->

Check your solution

Did you find the killer?

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

RUN ⇩ RESET

value
Congrats, you found the murderer! But wait, there's more... If you think you're up for a challenge, try querying the interview transcript of the murderer to find the real villain behind this crime. If you feel especially confident in your SQL skills, try to complete this final step with no more than 2 queries. Use this same INSERT statement with your new suspect to check your answer.

Now i have to query again for the killer through the interview

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 select * from interview where person_id =67318;
2
3
4
5
6
7
```

RUN ⇩ RESET

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.

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.**

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
select * from drivers_license
where hair_color='red' and gender='female'
and car_make='Tesla'
and car_model='Model S';
```

RUN ⇩ RESET

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

From the above information we found the id

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
select * from person
where license_id in (202298,291182,918773);
```

RUN ⇩ RESET

id	name	license_id	address_number	address_street_name	ssn
78881	Red Korb	918773	107	Camerata Dr	9613889
90700	Regina George	291182	332	Maple Ave	3371690
99716	Miranda Priestly	202298	1883	Golden Ave	9877563

Now we got our final killer.

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
select * from facebook_event_checkin where person_id in (78881,90700,99716) ;
```

RUN ⇩ RESET

person_id	event_id	event_name	date
99716	1143	SQL Symphony Concert	20171206
99716	1143	SQL Symphony Concert	20171212
99716	1143	SQL Symphony Concert	20171229

And that's it:----

Check your solution

Did you find the killer?

```
INSERT INTO solution VALUES (1, 'Miranda Priestly');

        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!