- 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. Start by retrieving the corresponding crime scene report from the police department's database.

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 crime_scene_report
where type='murder' and
date='20180115' and
City='SQL City';
```

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

- 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".

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 address_street_name='Northwestern Dr'
order by address_number desc
limit 1
```

RUN ⇩ RESET

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

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 address_street_name='Franklin Ave' and
name like '%Annabel%'
```

RUN ⇩ RESET

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='14887' or
person_id='16371'
```

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".
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.

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 as a join get_fit_now_check_in as b
on a.id = b.membership_id
where membership_id like '48Z%' and
membership_status='gold' and
check_in_date='20180109'

```

RUN ⇩ RESET

id	person_id	name	membership_start_date	membership_status	membership_id	check_in
48Z7A	28819	Joe Germuska	20160305	gold	48Z7A	2018010
48Z55	67318	Jeremy Bowers	20160101	gold	48Z55	2018010

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 as p join drivers_license as d
on p.license_id=d.id
where p.name='Joe Germuska' or p.name='Jeremy Bowers'
```

RUN ⇩ RESET

id	name	license_id	address_number	address_street_name	ssn	id	age	heigl
67318	Jeremy Bowers	423327	530	Washington Pl, Apt 3A	871539279	423327	30	70

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.

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 *
2 from interview
3 where person_id ='67318'
```

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.

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 name,height,hair_color,car_make,car_model
from drivers_license as d join person as p
on d.id=p.license_id
where p.id in(select person_id
              from facebook_event_checkin
              where event_name='SQL Symphony Concert' and
              date between 20171201 and 20171231
              group by person_id
              having count(person_id)=3)
```

RUN ⇩ RESET

name	height	hair_color	car_make	car_model
Miranda Priestly	66	red	Tesla	Model S

select * from person where license_id=(select id from drivers_license where id in(select license_id from person where id in(select person_id from facebook_event_checkin where event_name='SQL Symphony Concert' and date between '20170112' and '20173112' Group by person_id having count(person_id)=3)) and gender='female' and hair_color='red' and Car_make='Tesla');