



# SQL MURDER MYSTERY

Week 3

## Abstract

In this assignment I will solve the murder mystery in SQL

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First Of all, I list all of the murders in SQL city on 15 Jan 2018.

```
SELECT date ,description, city  
  
FROM crime_scene_report c  
  
WHERE c.date = "20180115" AND c.type = "murder"  
  
AND c.city = "SQL City"
```

The result description is:

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".

Then I try to find witnesses

```
SELECT *  
  
FROM person  
  
WHERE address_street_name = "Northwestern Dr"  
  
ORDER BY address_number DESC
```

The first witness is Morty Schapiro

```
SELECT *  
  
FROM person  
  
WHERE name LIKE "Annabel%"  
  
AND address_street_name = "Franklin Ave"
```

The second witness is Annabel Miller

Then I go to witness interview

```
SELECT *  
  
FROM interview  
  
WHERE person_id = "14887" OR person_id = "16371"
```

According to the results, the killer is a male gym gold member with a car plate including "H42W" and he was in the gym on 9 Jan.

```
SELECT *  
  
FROM person
```

```
JOIN get_fit_now_member

ON get_fit_now_member.name = person.name


JOIN get_fit_now_check_in

ON get_fit_now_check_in.membership_id = get_fit_now_member.id


JOIN drivers_license

ON drivers_license.id = person.license_id


WHERE get_fit_now_member.membership_status = "gold" AND drivers_license.gender = "male"

AND get_fit_now_check_in.check_in_date = "20180109"

AND drivers_license.plate_number like "0H42%"
```

At this point, our killer is Jeremy Bowers, but in his interview, he says that he was hired by another person.

```
SELECT *

FROM person p


Join drivers_license d

on d.id = p.license_id


JOIN facebook_event_checkin f

on f.person_id = p.id


WHERE (d.height > 64 AND d.height < 68) AND d.gender = "female" AND f.event_id = "1143" AND
d.car_make ="Tesla"
```

According to the Interview and the database the real killer is Miranda Priestly