

SQL MURDER MYSTERY PROJECT BY AKINBOWALE MICHEAL

Project Questions

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.

SQL QUERIES TO SEE DIFFERENT TABLES AND CONTENTS

```
select *  
from interview
```

```
select *  
from get_fit_now_check_in
```

```
select *  
from get_fit_now_member
```

```
select *  
from drivers_license
```

```
select *  
from income
```

```
select *  
from person p
```

```
select *  
from solution
```

```
select *  
from crime_scene_report
```

```
select *  
from facebook_event_checkin
```

---I run this query to find the description of the crime scene reports

```
SELECT *  
FROM crime_scene_report  
where date = 20180115  
and city = 'SQL City'  
and type = 'murder'
```

SQL MURDER MYSTERY PROJECT BY AKINBOWALE MICHEAL

Results

Security footage shows that there were 2 witnesses. The first witness lives at the last house on "Northwestern Dr". The second witness, Annabel, lives somewhere on "Franklin Ave".

-- The witness's details can be obtained from this information by:

```
select *
from person
where address_street_name like '%Northwestern Dr%'
order by address_number desc
limit 1
14887
```

Results

Name Morty Schapiro icense_id 118009 address_number 4919 address_street_name Northwestern Dr ssn 111564949

```
SELECT *
FROM person
WHERE name like '%Annabel%'
and address_street_name = 'Franklin Ave'
```

Results

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

-- From the result I have from the above query, I checked for the transcript of the witnesses interview

```
SELECT *
FROM interview i
JOIN person p
On i.person_id = p.id
WHERE p.name IN ('Morty Schapiro', 'Annabel Miller')
```

Results

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".

--- I get into the Get_fit_now_member table and input the information I have from the interview to trace the suspect

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

SQL MURDER MYSTERY PROJECT BY AKINBOWALE MICHEAL

Results

Id 48Z7A person_id 28819 name Joe Germuska membership_start_date 20160305
membership_status gold

Id 48Z55 person_id 67318 name Jeremy Bowers membership_start_date 20160101
membership_status gold

--- From these results, I furthered my investigation by looking for the plate number H42W on the driver's license table

```
select *  
from person p  
join drivers_license d  
on p.license_id = d.id  
where plate_number like '%H42W%'
```

Results

It returned three results which contain Jeremy Bowers

---The murderer is **Jeremy Bowers**

WHO HIRE JEREMY BOWERS?

-- I furthered the investigation into who sent Jeremy the errand by checking the transcript of Jeremy's interview

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

Results

person_id 67318 transcript 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.

--From these results, I looked for hair type, car make, and model on the driver's licence table to look for the suspects

```
select *  
from person p  
join drivers_license d  
on p.license_id = d.id  
WHERE gender = 'female'  
and hair_color = 'red'  
and car_make = 'Tesla'  
and car_model = 'Model S'
```

Results

It returned Three names which include Red Corb, Reginal George, and Miranda Priestly

--- I moved my investigation forward by checking the event name which corresponds to SQL Symphony concerts and which occurred in December 2017

```
SELECT p.name
from person p
join facebook_event_checkin f
on p.id = f.person_id
WHERE f.person_id IN (78881, 90700, 99716)
AND f.event_name = 'SQL Symphony Concert'
AND f.date LIKE '201712%';
```

Results

name

Miranda Priestly

CONCLUSION

Miranda Priestly is the one who hired Jeremy Bowers to commit the crime