

SQL MURDER MYSTERY SOLUTION

-ROSHNI K MATHEW

2237052

```
1 Select * from crime_scene_report
2 where type like 'murder'
3 AND date = 20180115 AND city like 'SQL City'
```

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 Select person.name, person.address_street_name, person.id,
2 interview.person_id, interview.transcript
3 From person JOIN interview
4 Where name Like 'Annabel%' AND address_street_name Like 'Franklin Ave'
5 AND person.id = interview.person_id
```

name	address_street_name	id	person_id	transcript
Annabel Miller	Franklin Ave	16371	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.

```
1 Select person.name, person.address_street_name, person.id,
2 interview.person_id, interview.transcript
3 From person JOIN interview
4 Where address_street_name Like 'Northwestern Dr' AND person.id = interview.person_id
5 Order by address_number desc limit 1
```

name	address_street_name	id	person_id	transcript
Morty Schapiro	Northwestern Dr	14887	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".

```

1 Select get_fit_now_member.id, get_fit_now_member.name, get_fit_now_member.membership_status,
2 get_fit_now_check_in.membership_id, get_fit_now_check_in.check_in_date
3 From get_fit_now_member JOIN get_fit_now_check_in
4 Where id Like '48Z%' AND membership_status Like 'gold' AND check_in_date = 20180109
5 AND get_fit_now_member.id = get_fit_now_check_in.membership_id

```

id	name	membership_status	membership_id	check_in_date
48Z7A	Joe Germuska	gold	48Z7A	20180109
48Z55	Jeremy Bowers	gold	48Z55	20180109

```

1 Select * From drivers_license
2 Where plate_number Like '%H42W%'
3

```

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

```

1 Select * from person
2 Where license_id = 423327 OR license_id = 664760
3

```

id	name	license_id	address_number	address_street_name	ssn
51739	Tushar Chandra	664760	312	Phi St	137882671
67318	Jeremy Bowers	423327	530	Washington Pl, Apt 3A	871539279

Since Jeremy is the only one out of these two with a gym membership, he is the murderer

Did you find the killer?

```

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

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.

```

1 select * from interview where person_id = 67318
2
3
```

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.

```

1 Select drivers_license.id, drivers_license.car_make,
2 drivers_license.car_model,drivers_license.gender, person.license_id, person.name
3 from drivers_license join person
4 where car_make like 'Tesla' AND car_model like 'Model S'
5 AND drivers_license.id = person.license_id AND gender like 'female'

```

id	car_make	car_model	gender	license_id	name
682231	Tesla	Model S	female	682231	Alyssa Faggett
918773	Tesla	Model S	female	918773	Red Korb
291182	Tesla	Model S	female	291182	Regina George
202298	Tesla	Model S	female	202298	Miranda Priestly

```

1 Select * from person
2 where license_id = 682231 OR license_id = 918773
3 OR license_id = 291182 OR license_id = 202298

```

id	name	license_id	address_number	address_street_name	ssn
67673	Alyssa Faggett	682231	3838	Mc Guffie Dr	666309770
78881	Red Korb	918773	107	Camerata Dr	961388910
90700	Regina George	291182	332	Maple Ave	337169072
99716	Miranda Priestly	202298	1883	Golden Ave	987756388

```

1 Select * from facebook_event_checkin
2 Where person_id = 67673 OR person_id = 78881 OR person_id = 90700 OR person_id = 99716
3 AND event_name like 'SQL Symphony Concert'

```

person_id	event_id	event_name	date
67673	5151	You have the capacity to learn from mistakes. You'll learn a lot	20170304
67673	4387	If you view your problem closely enough you will recognize	20170922
99716	1143	SQL Symphony Concert	20171206
99716	1143	SQL Symphony Concert	20171212
99716	1143	SQL Symphony Concert	20171229

```

1 Select * from person where id = 99716
2
3

```

RUN ↴

RESET

id	name	license_id	address_number	address_street_name	ssn
99716	Miranda Priestly	202298	1883	Golden Ave	987756388

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!