

First we did

select * from crime_scene_report where date ='20180115' and
type ='murder' and city ='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

Searched for

Select * from person where address = 'Franklin Ave', and
matched any person with first name Annabel. Found out
Annabel Miller is only annabel living on Franklin ave

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

Also searched for

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

Took person Id for Annabel and searched for Interview

Select * from interview where person_id ='16371'

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.

Took person id for Morty and search for interview
select * from interview where person_id ='14887'

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".

Took in info from annabel and morty interview and
searched for check in times from gym on 01-09-18
select * from get_fit_now_check_in where check_in_date
= '20180109'

48Z7A	20180109	1600	1730
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Matched membership ID that matched 48Z from morty
interview

Took complete membership Id and searched for it in get fit
now member info

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

Didn't know what to do with info so just searched for him in
person table
select * from person where name ='Joe Germuska'

id	name	license_id	address_number	address_street_name	ssn
28819	Joe Germuska	173289	111	Fisk Rd	138909730

Using his id I search for his driver license and it did not show up, I tried multiple times retyping license_id if I mistyped it. Nothing

`select * from drivers_license where id ='173289'`

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Which meant he did not have a car so couldn't be a murder

So decided to go back to annabel , and search though event checkin using her person_id,
Found out she was at an event called funky grooves tour

person_id	event_id	event_name	date
16371	4719	The Funky Grooves Tour	20180115

Took that event Id and searched fo anyone else at that event that same day
`select * from facebook_event_checkin where event_id ='4719' and date ='20180115'`

person_id	event_id	event_name	date
14887	4719	The Funky Grooves Tour	20180115
16371	4719	The Funky Grooves Tour	20180115
67318	4719	The Funky Grooves Tour	20180115

I noticed that both morty and annabel person id were check into this event so decided to look into person id 67318

Select * from person id ='67318'

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

Took his license id and searched for his drivers license and found out his license plate match description from morty interview

id	age	height	eye_color	hair_color	gender	plate_number	car_make	car_model
423327	30	70	brown	brown	male	0H42W2	Chevrolet	Spark LS

Search for possible interview by Jeremy using his id

select * from interview where person_id ='67318'

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.

Searched drivers license for car make, model and person gender matching description from Jeremy

select * from drivers_license where car_make ='Tesla' and car_model ='Model S' and gender ='female'

id	age	height	eye_color	hair_color	gender	plate_number	car_make	car_model
202298	68	66	green	red	female	500123	Tesla	Model S
291182	65	66	blue	red	female	08CM64	Tesla	Model S
682231	51	80	green	grey	female	3Z0M62	Tesla	Model S
918773	48	65	black	red	female	917UU3	Tesla	Model S

Search for person id who's height is between 65-67
select * from person where license_id ='202298'

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

select * from person where license_id ='291182'

id	name	license_id	address_number	address_street_name	ssn
90700	Regina George	291182	332	Maple Ave	337169072

select * from person where license_id ='918773'

id	name	license_id	address_number	address_street_name	ssn
78881	Red Korb	918773	107	Camerata Dr	961388910

Search for Facebook event where event name is sql symphony concert
select * from facebook_event_checkin where event_name ='SQL Symphony Concert'
And input each person id and only got a match with person_id = 99716
select * from facebook_event_checkin where event_name ='SQL Symphony Concert'
and person_id='99716'

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	

Checked Miranda Priestly income using ssn

ssn	annual_income	
987756388	310000	

Confirmed high income

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

SELECT value FROM solution;

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!

