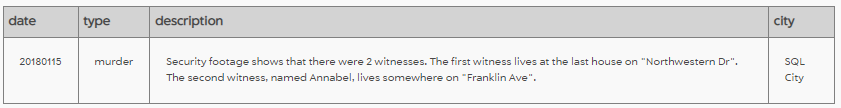
/\* A crime has taken place and the detective needs your help. The detective gave you the crime scene report, but you somehow lost it. You vaguely remember that the crime was a ​murder​ that occurred sometime on ​Jan.15, 2018​ and that it took place in ​SQL City​. Start by retrieving the corresponding crime scene report from the police department’s database \*/

Select \* FROM crime\_Scene\_report

Where City='SQL City' AND date=20180115 AND type='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".

Select Max(address\_number) FROM person

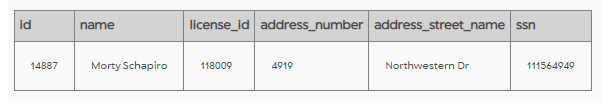
Where address\_street\_name='Northwestern Dr'

--last house on "Northwestern Dr" is 4919

Select \* FROM person

Where address\_number=4919

-- Morty Schapiro is our first witness



--Annabel Miller is our Second witness

Select \* FROM person

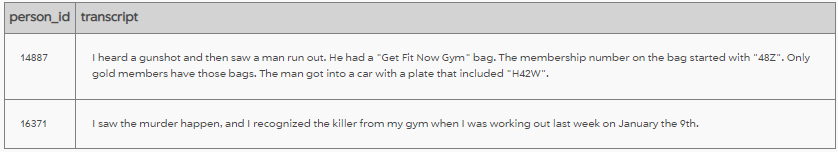
Where name LIKE '%Annabel%' AND address\_street\_name='Franklin Ave'



-- what did both witnesses said in interview

Select \* FROM interview

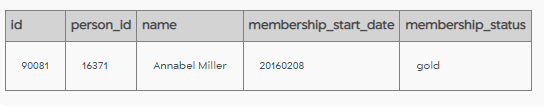
Where person\_id=16371 OR person\_id=14887



--Checking if both are members of get fit club, Only Anna is member of club.

Select \* FROM get\_fit\_now\_member

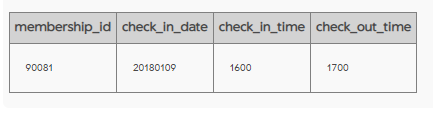
Where name ='Annabel Miller' OR name ='Morty Schapiro'



--Checking when she last went to fitness club

Select \* FROM get\_fit\_now\_check\_in

Where membership\_id =90081

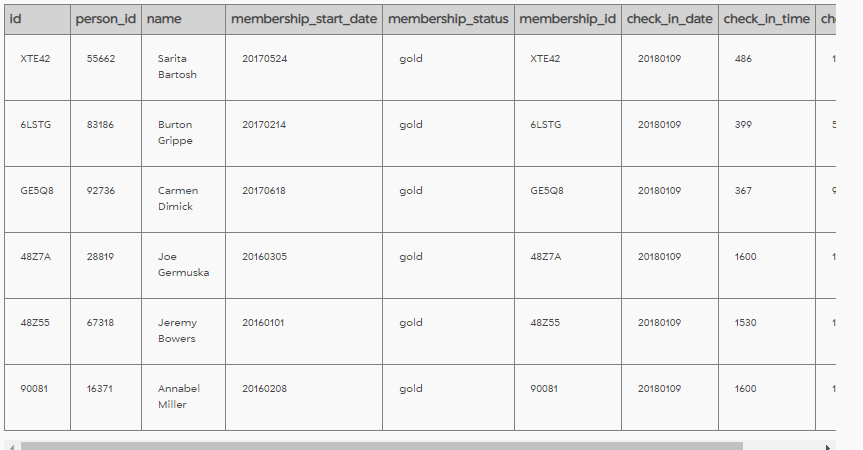


--Checking for people who worked out on same day as Anna and had gold membership status, , there were 5 more people in addition to Anna.

Select \* FROM get\_fit\_now\_member M

Join get\_fit\_now\_check\_in I ON M.id=I.membership\_id

where check\_in\_date=20180109 and membership\_status='gold'



--Further refining results, to find people who worked out at almost same time Anna worked out. there were 2 more people.On further inspection of data both ID start with 48Z.

Select \*

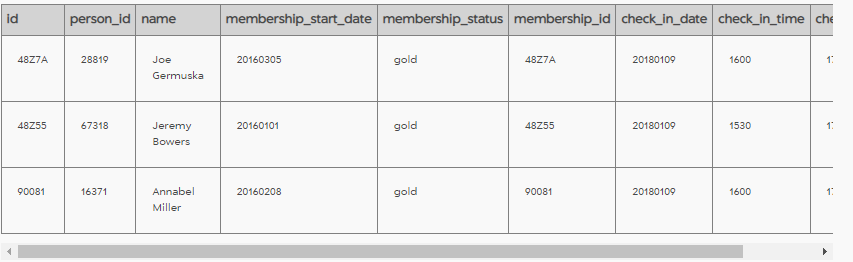
From

(Select \* FROM get\_fit\_now\_member M

Join get\_fit\_now\_check\_in I ON M.id=I.membership\_id

where check\_in\_date=20180109 and membership\_status='gold')

Where (Check\_in\_time Between 1500 AND 1700) AND (Check\_out\_time Between 1600 AND 1800)

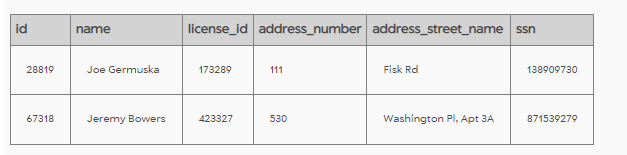


--Pulled data for both from persons table

Select \*

From person

where id=28819 OR id=67318

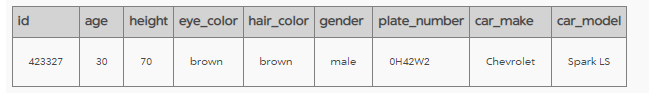


-- Trying to pull license plate number, only One has car

Select \*

From drivers\_license

where id=173289 OR id=423327

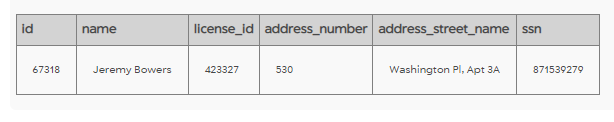


--he is killer his number plate matches one told by witness

Select \*

From person

where license\_id=423327



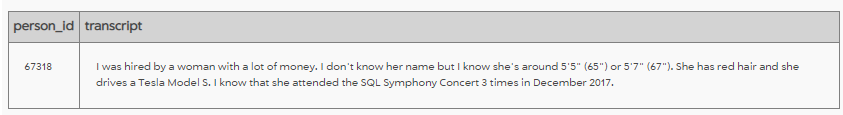


-- read killers interview script

Select \*

From interview

where person\_id=67318



-- Pulling results for red hair females who attended symphony event 3 times in 2017,killer is Miranda Priestly

SELECT \*

FROM

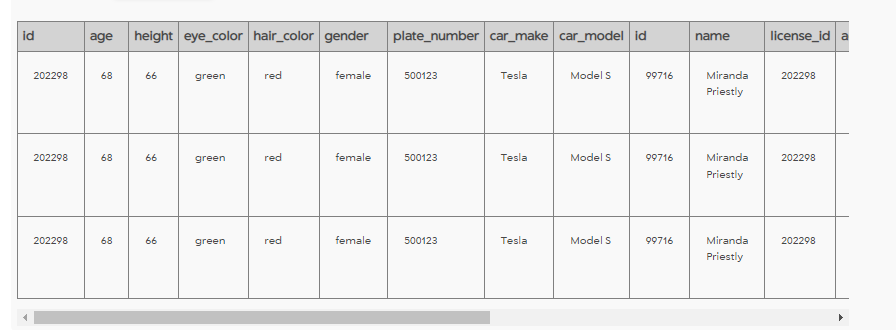
drivers\_license

JOIN person ON person.license\_id=drivers\_license.id

JOIN facebook\_event\_checkin ON person.id=facebook\_event\_checkin.person\_id

Where

(height BETWEEN 65 AND 67) AND (gender='female')AND(hair\_color='red')AND(car\_make='Tesla')



-- Checking results

SELECT \*

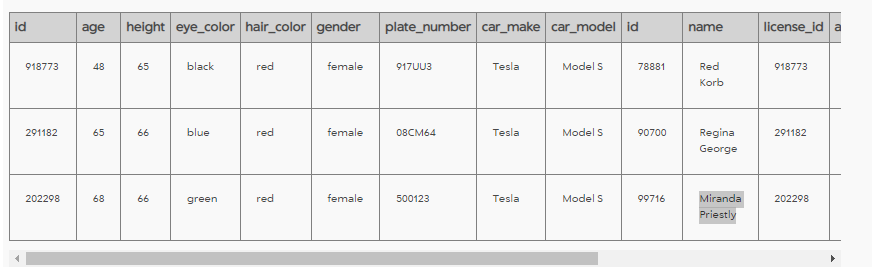
FROM

drivers\_license

JOIN person ON person.license\_id=drivers\_license.id

Where

(height BETWEEN 65 AND 67) AND (gender='female')AND(hair\_color='red')AND(car\_make='Tesla')



--- Checking how many times Miranda Priestly attended SQL concert it checks out.

Select \*, Count(person\_id) as Total

FROM facebook\_event\_checkin

Where

(event\_name LIKE '%SQL Symphony Concert%') AND (date BETWEEN 20170101 AND 20171231)

AND(person\_id=99716)

Group BY person\_id

Having Total=3

