**SQL MURDER MYSTERY ASSIGNMENT**

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Submitted to  
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MA APPLIED ECONOMICS

DEPARTMENT OF ECONOMICS

CHRIST (DEEMED TO BE UNIVERSITY)

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Background:

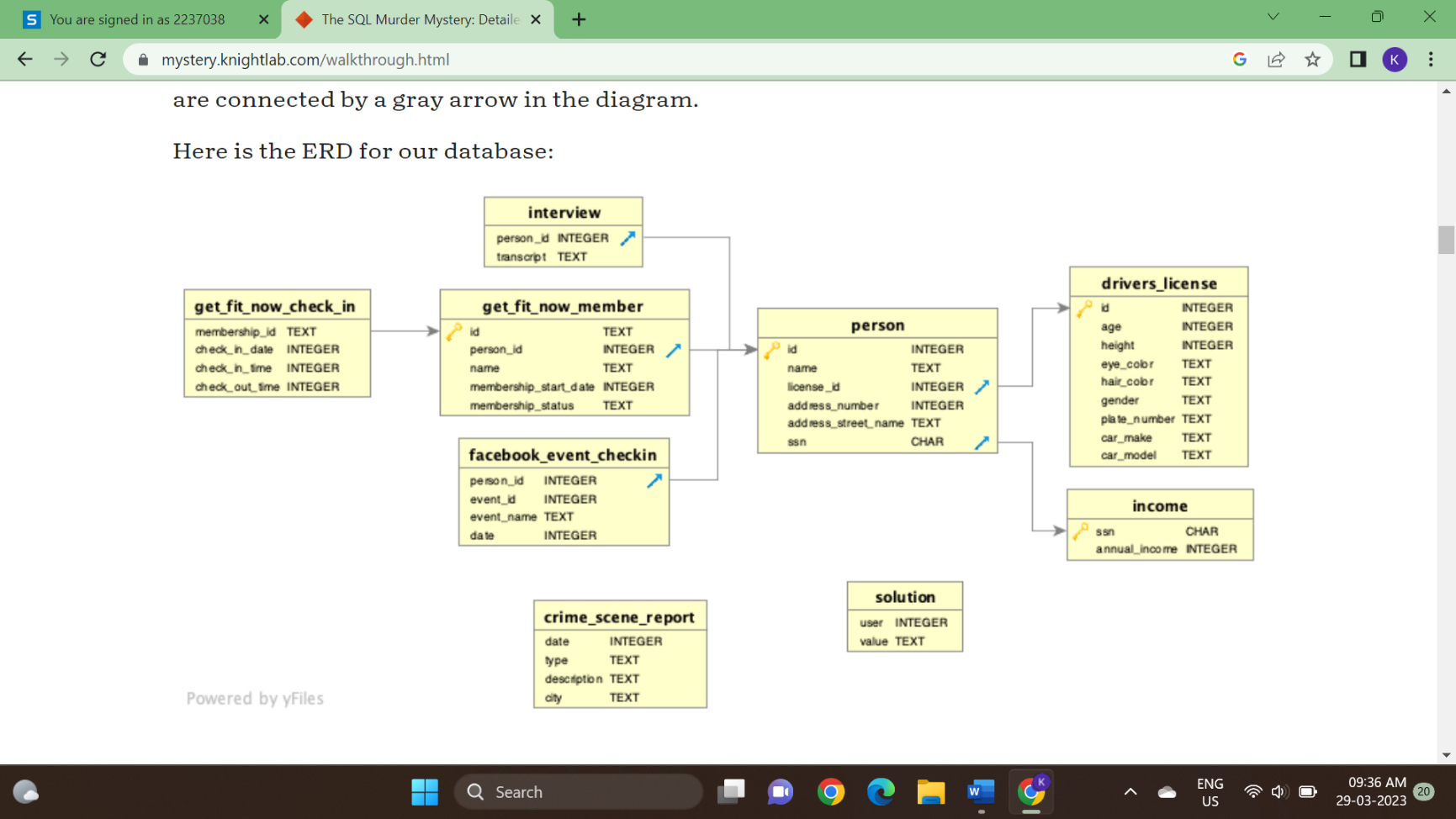
A crime has taken place and the detective needs your help. The detective gave you

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

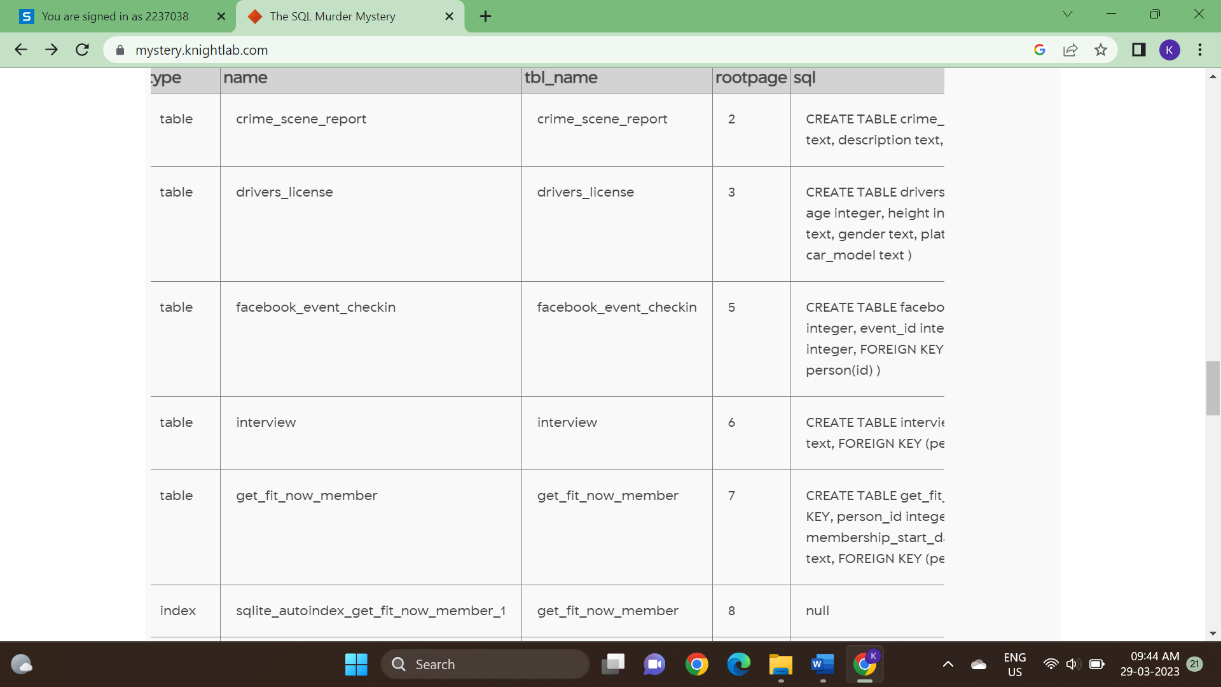
police department’s database.

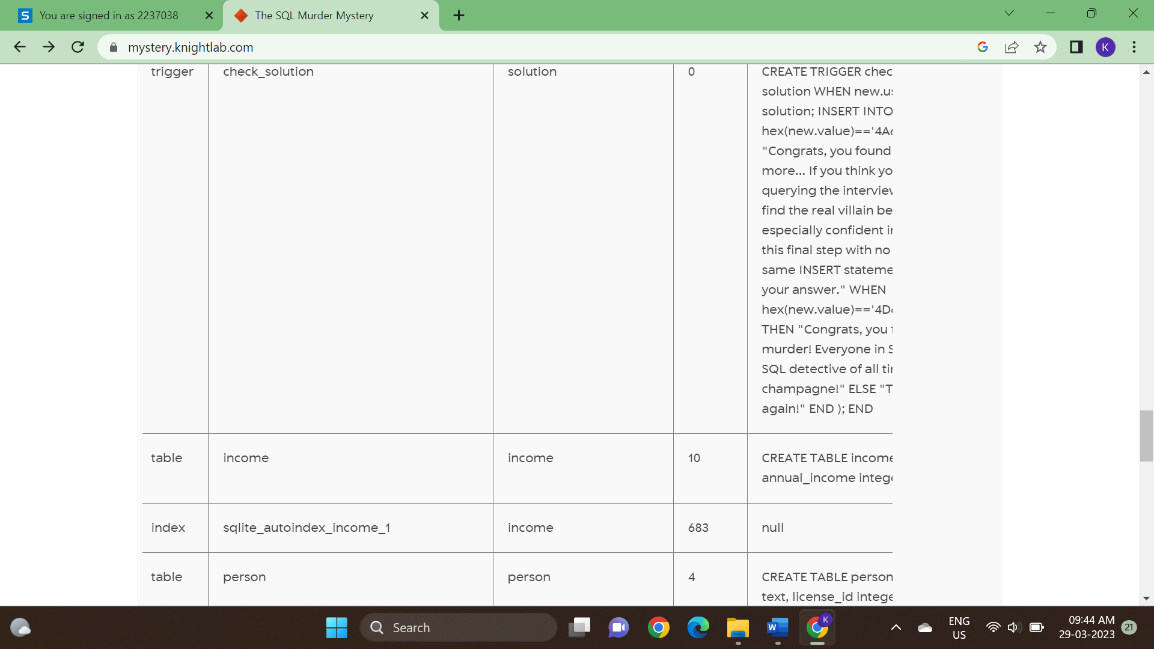


1. To view the whole table from the database:

SELECT \*

FROM sqlite\_master





1. To know the various sub tables from the main table:

SELECT name

FROM sqlite\_master

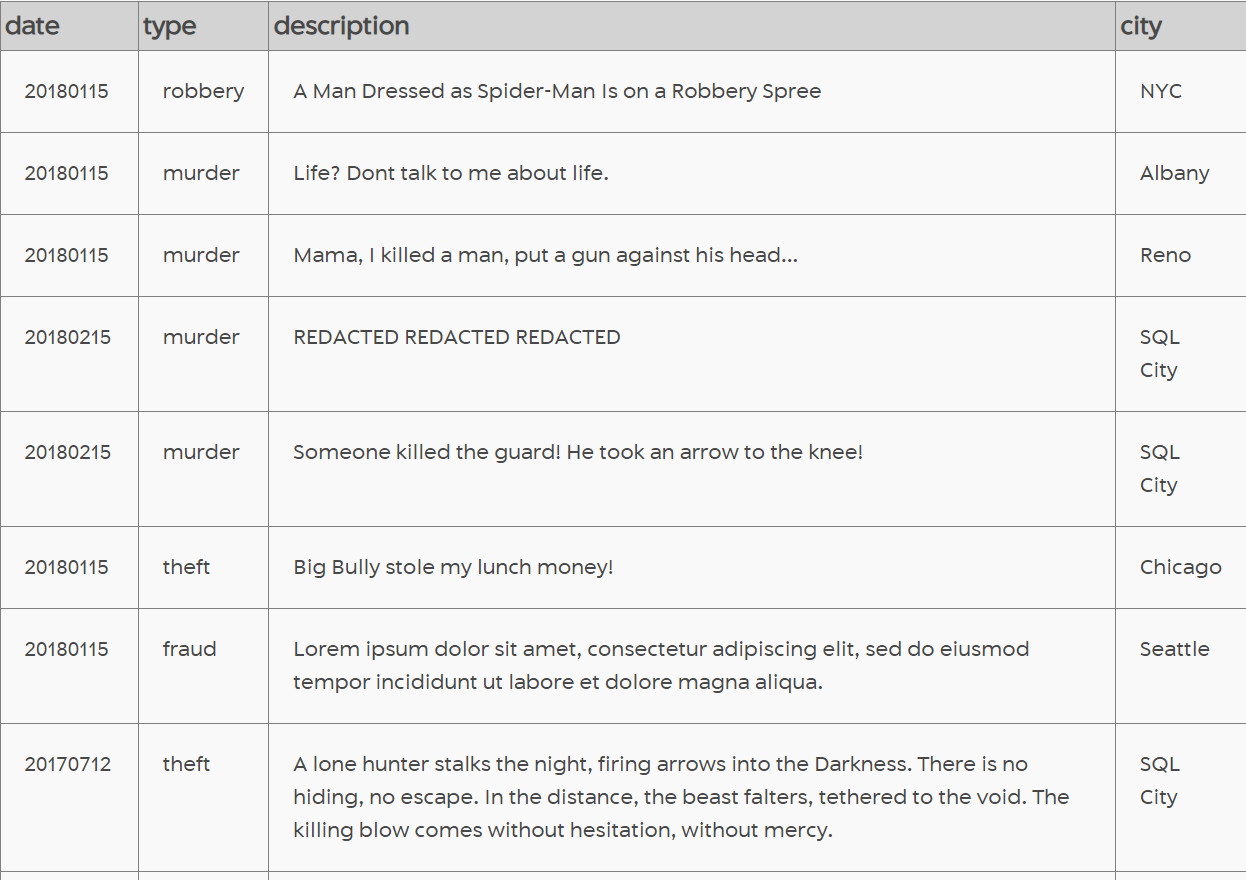
WHERE type = 'table'

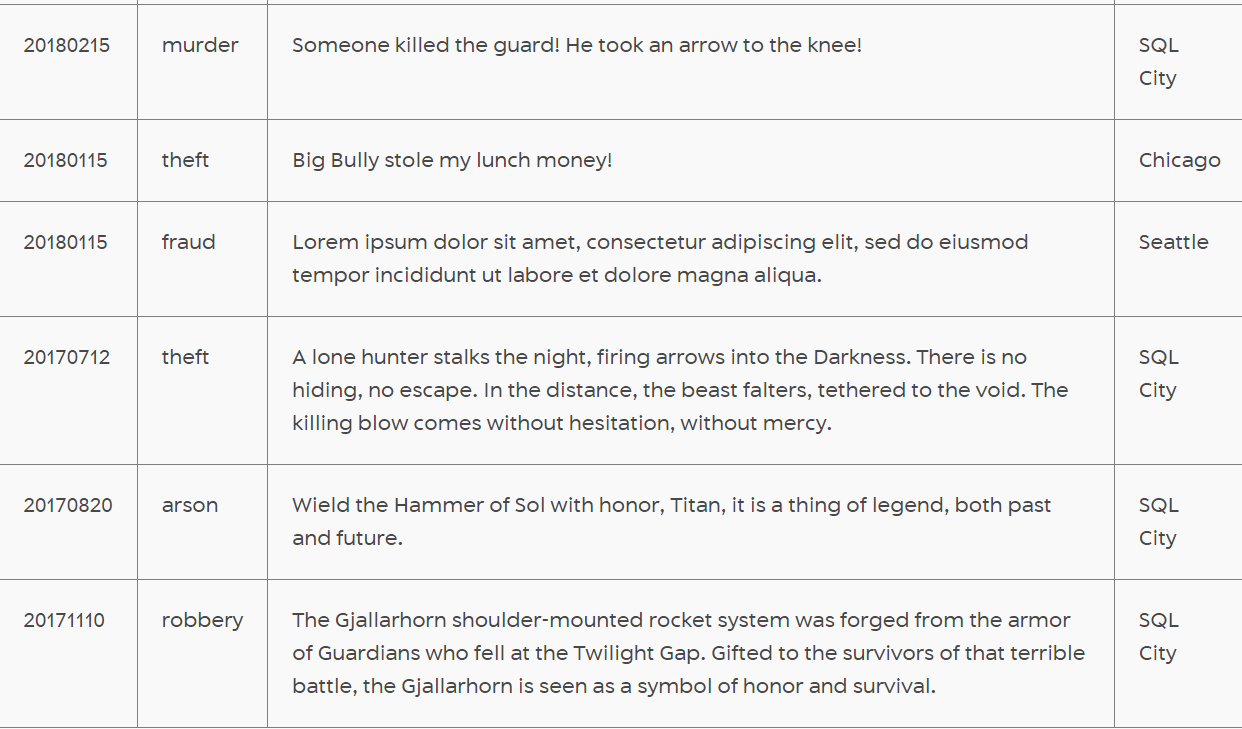


1. To get the crime scene report:

SELECT \*

FROM crime\_scene\_report LIMIT 10





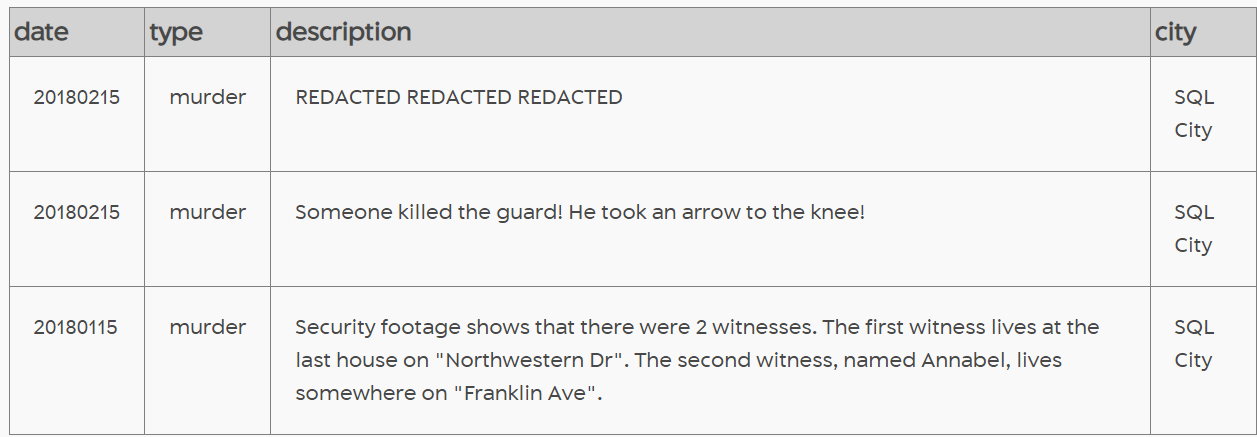
We are given that the crime is murder and has happened in SQL City.

1. To know the murder with respect to SQL City:

SELECT date, type, description, city

FROM crime\_scene\_report

WHERE type = ‘murder’ AND city = ‘SQL City’



1. To get to know the names of the witnesses:

SELECT name, address\_street\_name, address\_number, license\_id

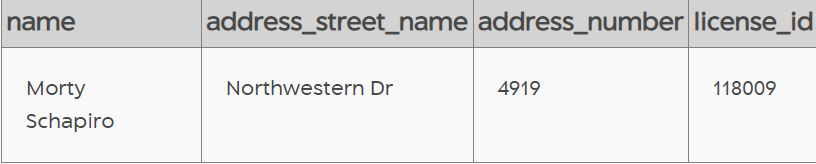
FROM person p

JOIN drivers\_license dl

ON p.license\_id = dl.id

WHERE address\_street\_name = "Northwestern Dr"

ORDER BY address\_number DESC LIMIT 1



1. SELECT name, address\_street\_name, address\_number, license\_id

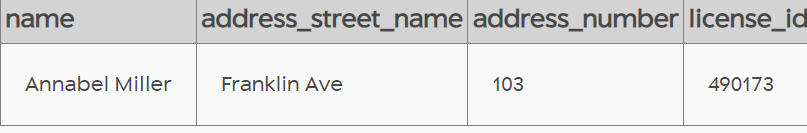
FROM person p

JOIN drivers\_license dl

ON p.license\_id = dl.id

WHERE address\_street\_name = "Franklin Ave" and

name LIKE "Annabel%"



1. To find the interview transcript of the witnesses:

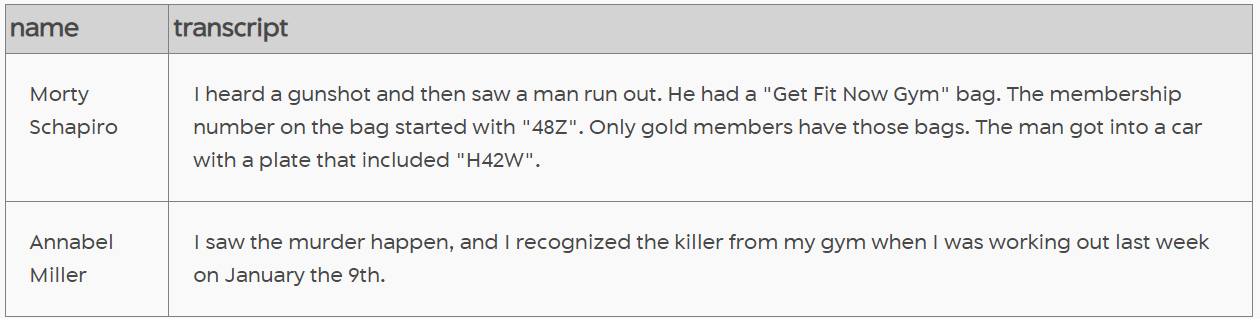
SELECT person.name, interview.transcript

FROM person

JOIN interview

ON person.id = interview.person\_id

WHERE person.id = 14887 OR person.id = 16371



1. Finding the killer:

SELECT get\_fit\_now\_member.name, get\_fit\_now\_check\_in.membership\_id, get\_fit\_now\_check\_in.check\_in\_date

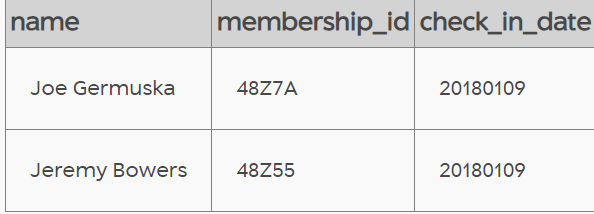
From get\_fit\_now\_member

JOIN get\_fit\_now\_check\_in

ON get\_fit\_now\_member.id = get\_fit\_now\_check\_in.membership\_id

WHERE membership\_status = 'gold' AND check\_in\_date = 20180109

AND membership\_id LIKE '48Z%'



**FINDING 1:**



1. To get the interview transcript of the killer:

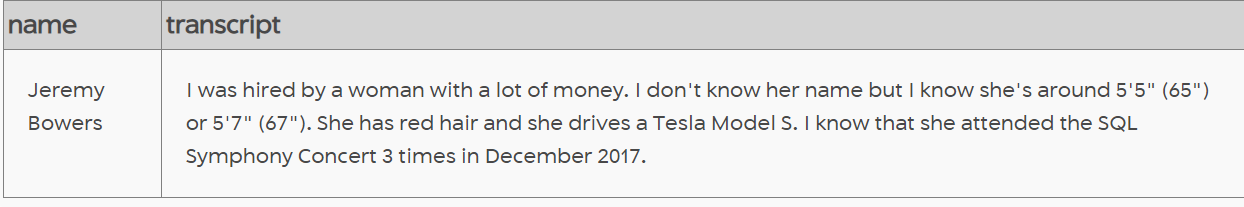
SELECT person.name, interview.transcript

FROM person

JOIN interview

ON person.id = interview.person\_id

WHERE name = ‘Jeremy Bowers’



1. To find who made the killer do the murder:

SELECT name, annual\_income as income, gender, eye\_color as eyes, hair\_color as hair, car\_model as car

FROM income i

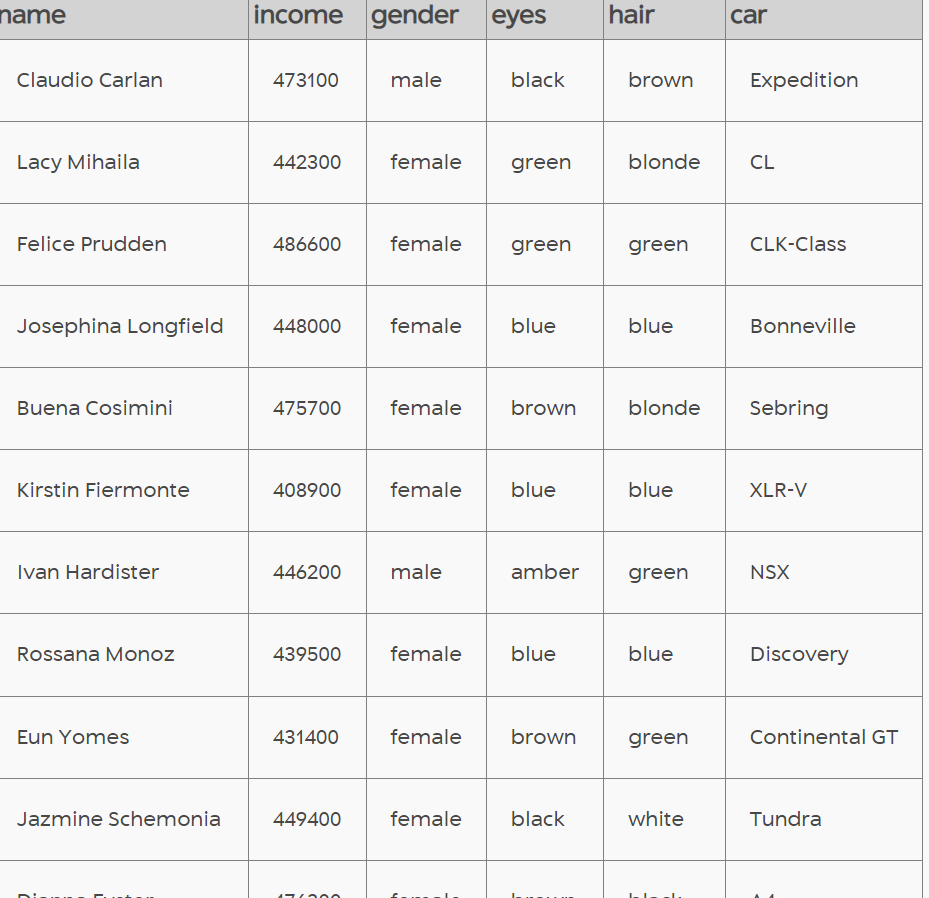
JOIN person p

ON i.ssn = p.ssn

JOIN drivers\_license dl

ON p.license\_id = dl.id

WHERE income > 400000



The above list did not satisfy the criteria mentioned by Jeremy Bowers, so we try to find the brains behind the murder using another code.

1. SELECT name, annual\_income as income, gender, eye\_color as eyes, hair\_color as hair,

car\_model as car

FROM income i

JOIN person p

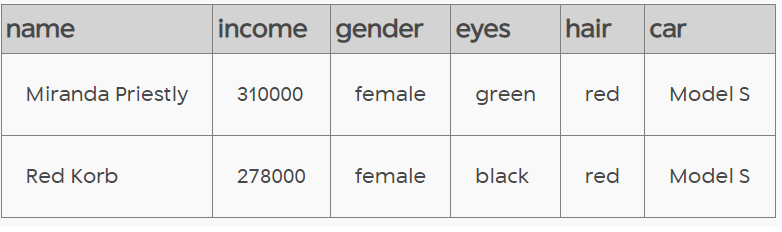
ON i.ssn = p.ssn

JOIN drivers\_license dl

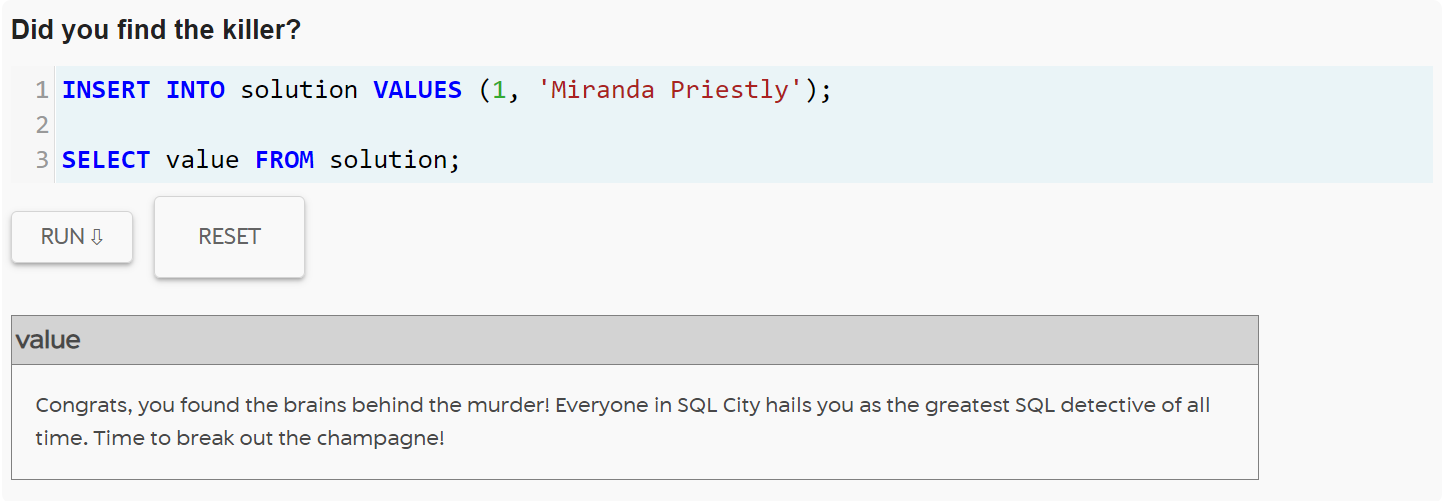
ON p.license\_id = dl.id

WHERE gender = "female" and hair = "red" and car like "%Model S"

ORDER BY annual\_income DESC



**FINDING 2:**



**CONCLUSION**: Jeremy Bowers is the murderer, and he was made to do by Miranda Priestly in the SQL City.