Mystery.knightlab.com

facebook\_event\_checkin

| person\_id | event\_id | event\_name | Date |
| --- | --- | --- | --- |

Crime\_scene\_report

SELECT \*

FROM crime\_scene\_report

where city = 'SQL City' and date = 20180115

| date | type | description | city |
| --- | --- | --- | --- |

| date | type | description | city |
| --- | --- | --- | --- |
| 20180115 | assault | Hamilton: Lee, do you yield? Burr: You shot him in the side! Yes he yields! | SQL City |
| 20180115 | assault | Report Not Found | SQL 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 |

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 |

SELECT \*

FROM person

where address\_street\_name = "Franklin Ave" and name like "Annabel%"

| id | name | license\_id | address\_number | address\_street\_name | ssn |
| --- | --- | --- | --- | --- | --- |
| 16371 | Annabel Miller | 490173 | 103 | Franklin Ave | 318771143 |

– checking what the witnesses said once they were interviewed–

SELECT \*

FROM interview

where person\_id in (14887, 16371)

| 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". |
| 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. |

SELECT \*

FROM get\_fit\_now\_member

where id like "48Z%" and membership\_status = 'gold'

| id | person\_id | name | membership\_start\_date | membership\_status |
| --- | --- | --- | --- | --- |
| 48Z7A | 28819 | Joe Germuska | 20160305 | gold |
| 48Z55 | 67318 | Jeremy Bowers | 20160101 | gold |

– now to check in which member checked in on 01/09/2018 –

SELECT \*

FROM get\_fit\_now\_check\_in

where check\_in\_date = 20180109 and membership\_id = "48Z55" and "48Z7A”

| membership\_id | check\_in\_date | check\_in\_time | check\_out\_time |
| --- | --- | --- | --- |
| 48Z55 | 20180109 | 1530 | 1700 |

| membership\_id | check\_in\_date | check\_in\_time | check\_out\_time |
| --- | --- | --- | --- |
| 48Z7A | 20180109 | 1600 | 1730 |

– see what time annabel went to the gym , 1st find her id then check her check in time

SELECT \*

FROM get\_fit\_now\_member

where person\_id = 16371

| id | person\_id | name | membership\_start\_date | membership\_status |
| --- | --- | --- | --- | --- |
| 90081 | 16371 | Annabel Miller | 20160208 | gold |

– checking the check in time for annabel

SELECT \*

FROM get\_fit\_now\_check\_in

where membership\_id = 90081

| membership\_id | check\_in\_date | check\_in\_time | check\_out\_time |
| --- | --- | --- | --- |
| 90081 | 20180109 | 1600 | 1700 |

– I need to ALSO include the license plate

select person.name

from get\_fit\_now\_member

join person on get\_fit\_now\_member.person\_id = person.id

join drivers\_license on person.license\_id = drivers\_license.id

where membership\_status = 'gold'

and get\_fit\_now\_member.id like '48Z%'

and plate\_number like '%H42W%'

| name |
| --- |
| Jeremy Bowers |

– finding the brains behind the murder

select transcript from interview

join person on person.id = interview.person\_id

where name = 'Jeremy Bowers'

-- 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.

-- do it in one query

select name from person

join facebook\_event\_checkin on person.id = facebook\_event\_checkin.person\_id

join drivers\_license on person.license\_id = drivers\_license.id

where event\_name = 'SQL Symphony Concert'

and date like '201712%'

and car\_make = 'Tesla'

and car\_model = 'Model S'

and height between 65 and 67

and hair\_color = 'red'

and gender='female'

group by person.id having count(\*) == 3

| name |
| --- |
| Miranda Priestly |