**MURDER MYSTERY SQL**

First, I wrote queries to view the different tables and their contents.

SELECT \*

FROM crime\_scene\_report;

After viewing the entire crime\_scene\_report table I then narrowed it down to crimes that occurred on the recalled date January 15 2018.

SELECT \*

FROM crime\_scene\_report

where date = 20180115;

I got 12 rows of observations then I narrowed it down a little further to the crimes of murder.

SELECT \*

from (select \*

      FROM crime\_scene\_report

      where date = 20180115)

where type = 'murder';

I got 3 rows of observation; I then narrowed it further down to the city recalled SQL city.

select \*

from (SELECT \*

from (select \*

      FROM crime\_scene\_report

      where date = 20180115)

      where type = 'murder')

where city = 'SQL City';

I got just 1 row of observation that had 2 witnesses with addresses and 1 with a name, so I would follow up on that and move to the next table.

select \*

from drivers\_license;

I didn’t find anything with the name or addresses so I used the schema diagram to navigate the other tables to find name or address columns. I found a name column on the get\_fit\_now\_member table and ran a query to find the name Annabel.

select \*

from get\_fit\_now\_member

where name like ('Annabel%');

I found Annabel Miller, I then used her ID to find more clues on other tables. I make use of the schema diagram again to find where ID is listed.

I noticed that in the person table address is listed so I would query to find the other witness.

select max(address\_number), id, name, license\_id, ssn

from person

where address\_street\_name = 'Northwestern Dr';

I found Morty Schapiro, I would also check for Annabel’s street.

select \*

from person

where address\_street\_name = 'Franklin Ave';

So I attempted to narrow it down with her ID.

select \*

from (select \*

      from person

      where address\_street\_name = 'Franklin Ave')

where id = 90081

I didn’t find her ID, so I would check for her name.

select \*

from (select \*

      from person

      where address\_street\_name = 'Franklin Ave')

where name = 'Annabel Miller'

I found her but with a different ID. I also found her license ID and would check the drivers\_license table.

select \*

from drivers\_license

where id = 490173

Found a match, female. I do recall seeing an ssn, I’ll check it out.

select \*

from income

where ssn = 318771143

I queried the income table to find Annabel’s ssn but I didn’t. I’ll use her person ID to track her.

select \*

from facebook\_event\_checkin

where person\_id = 16371

I found that she was at an event on the date of the murder. Not sure what to do with this clue, so I’ll check her person\_ID in the interview table.

select \*

from interview

where person\_id = 16371

It seems her story is inconsistent; she was at The Funky Grooves Tour according to her facebook so how could she also be at the gym. But then she said she recognized the killer from her gym, so the killer might be in her gym. I’m stuck.

Let me follow up on Morty. Using his license id to query the drivers\_license table.

select \*

from drivers\_license

where id = 118009

I found a male. Using his id to obtain his statement from the interview table.

select \*

from interview

where person\_id = 14887

He found a man with a gym bag that starts with the number 48Z and he got into a car with plate number that has H42W, I will query the gym tables and drivers\_license table.

select \*

from get\_fit\_now\_member

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

I found 2 rows of observation, now I have to check the drivers\_license table.

select \*

from drivers\_license

join person

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

where drivers\_license.plate\_number like ('%H42W%')

I find **Jeremy Bowers** reoccurring here.

insert into solution values (1,'Jeremy Bowers');

select \*

from solution

I inserted my findings into solution table and got a congratulations but more queries ahead. So I’ll be checking the interview table again.

select transcript

from interview

join person

on interview.person\_id = person.id

where name = 'Jeremy Bowers'

I found that Jeremy was hired by a woma with certain descriptions which I will us in my next query.

insert into solution values (1,'Miranda Priestly');

select value

from solution;

After inserting the answer I got a congratulations.