Date: Jan 15, 2018

Location: SQL City

Crime: Murder

Start: Crime Scene report from the Police DB

SELECT \*

FROM crime\_scene\_report

WHERE date = 20180115 and type = "murder" and city = "SQL City"

**Result**: Description – Security footage shows that there were two witnesses. The first witness lives at the last house on “Northwestern Dr”. The second witness, named Annabel, lives somewhere on “Franklin Ave”

**First Witness**: Check the person table to get the name and id of the witness

SELECT \*

FROM person

where address\_street\_name = 'Northwestern Dr'

ORDER By address\_number desc

Result: id 14887, name = Morty Schapiro, license id = 118009, address number = 4919, address street = Northwestern Dr, ssn = 111564949

**Step 2:**  Check interview table for transcript of the first witness (Morty)

SELECT \*

from interview

where person\_id = 14887

Transcript: 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".

SELECT \*

FROM get\_fit\_now\_member

WHERE id LIke '48Z%' and membership\_status is 'gold'

Two suspects: id = 48Z7A, person id =28819, name = Joe Germuska, membership start date = 20160305,

Id = 48Z55, person id = 67318, name = Jeremy Bowers, membership start date = 20160101

**Second Witness:**

SELECT \*

FROM person

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

Id = 16371, name = Annabel Miller, license id = 490173, address number = 103, address street name = Franklin Ave, ssn = 318771143

**Step 2:** Check interview table for transcript of Annabel Miller

SELECT \*

from interview

where person\_id = 16371

**Result**: I saw the murder happen, and I recognized the killer from my gym when I was working out last week on January the 9th.

**Details from both witness statements:**

Suspect is Male

Appears to have a gold membership at ‘Get Fit Now Gym’

Gym membership number that starts with ‘48Z’.

He got into a car with that included ‘H42W’ in the plate.

He was at the gym on 9th January.

The two suspects are Joe Germuska and Jeremy Bowers.

Check their check in time for January 9th 2018

**For Joe Germuska:**

SELECT \*

FROM get\_fit\_now\_check\_in

WHERE check\_in\_date is 20180109 and membership\_id is '48Z7A'

**For Jeremy Bowers:**

SELECT \*

FROM get\_fit\_now\_check\_in

WHERE check\_in\_date is 20180109 and membership\_id is '48Z55'

Result: they were both at the gym on the 9th

Check person table to get their license id

**For Joe**

SELECT license\_id

FROM person

WHERE name is 'Joe Germuska'

**173289**

**For Jeremy**

SELECT license\_id

FROM person

WHERE name is 'Jeremy Bowers'

**423327**

**Final step:** Check drivers license table to

SELECT \*

FROM drivers\_license

WHERE plate\_number like '%H42W%'

and id = 173289 or id = 423327

Result: **423327**

JEREMY BOWERS!!!!!