Select \*

From crime\_scene\_report

Where type="murder" AND city="SQL City" AND date="20180115"

| **date** | **type** | **description** | **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

Limit 1

| **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"

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

Select\*

From interview

where person\_id=16371

| **person\_id** | **transcript** |
| --- | --- |
| 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 person

Inner Join get\_fit\_now\_member On get\_fit\_now\_member.name=person.name

Where person.name="Annabel Miller"

| **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** | **id** | **person\_id** | **name** | **membership\_start\_date** | **membership\_status** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16371 | Annabel Miller | 490173 | 103 | Franklin Ave | 318771143 | 90081 | 16371 | Annabel Miller | 20160208 | gold |

Select\*

From get\_fit\_now\_check\_in

Where check\_in\_date=20180109

| **membership\_id** | **check\_in\_date** | **check\_in\_time** | **check\_out\_time** |
| --- | --- | --- | --- |
| X0643 | 20180109 | 957 | 1164 |
| UK1F2 | 20180109 | 344 | 518 |
| XTE42 | 20180109 | 486 | 1124 |
| 1AE2H | 20180109 | 461 | 944 |
| 6LSTG | 20180109 | 399 | 515 |
| 7MWHJ | 20180109 | 273 | 885 |
| GE5Q8 | 20180109 | 367 | 959 |
| 48Z7A | 20180109 | 1600 | 1730 |
| 48Z55 | 20180109 | 1530 | 1700 |
| 90081 | 20180109 | 1600 | 1700 |

Select\*

From get\_fit\_now\_check\_in

Inner Join get\_fit\_now\_member on get\_fit\_now\_check\_in.membership\_id=get\_fit\_now\_member.id

Where check\_in\_date=20180109

order by check\_in\_time DESC

Limit 3

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| **membership\_id** | **check\_in\_date** | **check\_in\_time** | **check\_out\_time** | **id** | **person\_id** | **name** | **membership\_start\_date** | **membership\_status** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48Z7A | 20180109 | 1600 | 1730 | 48Z7A | 28819 | Joe Germuska | 20160305 | gold |
| 90081 | 20180109 | 1600 | 1700 | 90081 | 16371 | Annabel Miller | 20160208 | gold |
| 48Z55 | 20180109 | 1530 | 1700 | 48Z55 | 67318 | Jeremy Bowers | 20160101 | gold |

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Select \*

From interview

Where person\_id=14887

| **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". |

Select\*

From drivers\_license

Where plate\_number like "%H42W%"

| **id** | **age** | **height** | **eye\_color** | **hair\_color** | **gender** | **plate\_number** | **car\_make** | **car\_model** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 664760 | 21 | 71 | black | black | male | 4H42WR | Nissan | Altima |
| 423327 | 30 | 70 | brown | brown | male | 0H42W2 | Chevrolet | Spark LS |
| 183779 | 21 | 65 | blue | blonde | female | H42W0X | Toyota | Prius |

Select\*

From person

Where license\_id=664760 or license\_id=183779 or license\_id=423327

| **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** |
| --- | --- | --- | --- | --- | --- |
| 51739 | Tushar Chandra | 664760 | 312 | Phi St | 137882671 |
| **67318** | **Jeremy Bowers** | **423327** | **530** | **Washington Pl, Apt 3A** | **871539279** |
| 78193 | Maxine Whitely | 183779 | 110 | Fisk Rd | 137882671 |

The killer is Jeremy Bowers go arrest him.

| **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** |
| --- | --- | --- | --- | --- | --- |
| 67318 | Jeremy Bowers | 423327 | 530 | Washington Pl, Apt 3A | 871539279 |

| **value** |
| --- |
| Congrats, you found the murderer! But wait, there's more... If you think you're up for a challenge, try querying the interview transcript of the murderer to find the real villain behind this crime. If you feel especially confident in your SQL skills, try to complete this final step with no more than 2 queries. Use this same INSERT statement with your new suspect to check your answer. |

Select transcript

From interview

Where person\_id =(

Select id as person\_id

From person

Where name="Jeremy Bowers"

**)**

| **Transcript** |
| --- |
| 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. |

Select \*

From drivers\_license as d

Where d.hair\_color="red" AND d.height IN (66, 67, 68) AND d.car\_make="Tesla"

| **id** | **age** | **height** | **eye\_color** | **hair\_color** | **gender** | **plate\_number** | **car\_make** | **car\_model** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 202298 | 68 | 66 | green | red | female | 500123 | Tesla | Model S |
| 291182 | 65 | 66 | blue | red | female | 08CM64 | Tesla | Model S |

Select \*

From drivers\_license as d

inner join person as p on p.license\_id=d.id

Where d.hair\_color="red" AND d.height IN (66, 67, 68) AND d.car\_make="Tesla"

| **id** | **age** | **height** | **eye\_color** | **hair\_color** | **gender** | **plate\_number** | **car\_make** | **car\_model** | **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 291182 | 65 | 66 | blue | red | female | 08CM64 | Tesla | Model S | 90700 | Regina George | 291182 | 332 | Maple Ave | 337169072 |
| 202298 | 68 | 66 | green | red | female | 500123 | Tesla | Model S | 99716 | Miranda Priestly | 202298 | 1883 | Golden Ave | 987756388 |

Select \*

From facebook\_event\_checkin as f

Inner join person on f.person\_id=person.id

Where person.id IN (99716, 90700)

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| **person\_id** | **event\_id** | **event\_name** | **date** | **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 99716 | 1143 | SQL Symphony Concert | 20171206 | 99716 | Miranda Priestly | 202298 | 1883 | Golden Ave | 987756388 |
| 99716 | 1143 | SQL Symphony Concert | 20171212 | 99716 | Miranda Priestly | 202298 | 1883 | Golden Ave | 987756388 |
| 99716 | 1143 | SQL Symphony Concert | 20171229 | 99716 | Miranda Priestly | 202298 | 1883 | Golden Ave | 987756388 |

Check your solution

**Did you find the killer?**

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1

**INSERT** **INTO** solution **VALUES** (1, 'Miranda Priestly');

2

3

**SELECT** value **FROM** solution;



| **value** |
| --- |
| Congrats, you found the brains behind the murder! Everyone in SQL City hails you as the greatest SQL detective of all time. Time to break out the champagne! |

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