SELECT description

FROM crime\_scene\_report

WHERE date = '20180115' AND city = 'SQL City' AND type = 'murder'

| **description** |
| --- |
| 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". |

SELECT \*

FROM person

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

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

Annabel’s id is **16371**.

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 |
| 17729 | Lasonya Wildey | 439686 | 3824 | Northwestern Dr | 917817122 |
| 53890 | Sophie Tiberio | 957671 | 3755 | Northwestern Dr | 442830147 |
| 73368 | Torie Thalmann | 773862 | 3697 | Northwestern Dr | 341559436 |
| 96595 | Coretta Cubie | 303645 | 3631 | Northwestern Dr | 378403829 |
| 19420 | Cody Schiel | 890431 | 3524 | Northwestern Dr | 947110049 |
| 93509 | Emmitt Aceuedo | 916706 | 3491 | Northwestern Dr | 979073160 |
| 87456 | Leonora Wolfsberger | 215868 | 3483 | Northwestern Dr | 565203106 |
| 36378 | Freddie Ellzey | 267882 | 3449 | Northwestern Dr | 474117596 |
| 53076 | Boris Bijou | 664914 | 3327 | Northwestern Dr | 401191868 |
| 28360 | Rashad Cascone | 924517 | 3212 | Northwestern Dr | 838907424 |
| 23044 | Val Portlock | 924989 | 3143 | Northwestern Dr | 100593316 |
| 51114 | Christena Saffell | 814284 | 3055 | Northwestern Dr | 247657547 |
| 68690 | Yer Modest | 852404 | 3046 | Northwestern Dr | 419238039 |
| 44004 | Alison Eska | 327797 | 2951 | Northwestern Dr | 306417867 |
| 98593 | Jonah Toner | 578982 | 2947 | Northwestern Dr | 745853548 |
| 59307 | Cyril Yongue | 753524 | 2903 | Northwestern Dr | 866057839 |
| 34155 | Allyson Lazenson | 814209 | 2840 | Northwestern Dr | 991150469 |
| 90397 | Dionna Kranwinkle | 797260 | 2678 | Northwestern Dr | 278964807 |
| 54564 | Sammie Sengun | 217286 | 2590 | Northwestern Dr | 848854310 |
| 53699 | Christian Pagano | 628433 | 2585 | Northwestern Dr | 644772304 |
| 34352 | Vincenza Burkhardt | 436470 | 2512 | Northwestern Dr | 197913046 |
| 80921 | Donovan Yackley | 222395 | 2386 | Northwestern Dr | 515049359 |
| 96178 | Galina Khuu | 450248 | 2183 | Northwestern Dr | 398518185 |
| 81885 | Kurtis Masuda | 934201 | 2108 | Northwestern Dr | 201272595 |
| 88423 | Teri Ehrich | 510876 | 1879 | Northwestern Dr | 248637345 |
| 51552 | Bonita Knie | 764124 | 1726 | Northwestern Dr | 597137908 |
| 72076 | Courtney Bordeaux | 324614 | 1707 | Northwestern Dr | 347966356 |
| 81052 | Calvin Czelusniak | 471483 | 1516 | Northwestern Dr | 657531837 |
| 71924 | Laurie Scronce | 774116 | 1418 | Northwestern Dr | 254883636 |
| 23960 | Kristopher Lagerberg | 658777 | 1392 | Northwestern Dr | 492912529 |
| 70485 | Andera Kostelecky | 354822 | 1252 | Northwestern Dr | 787423012 |
| 22239 | Dusty Sigafus | 710517 | 1125 | Northwestern Dr | 724386723 |
| 18376 | Josh Shi | 653712 | 1091 | Northwestern Dr | 193899001 |
| 29608 | Willetta Lurvey | 800568 | 1028 | Northwestern Dr | 843751378 |
| 33415 | Homer Simpson | 108392 | 981 | Northwestern Dr | 871392019 |
| 55130 | Shiloh Huntoon | 472118 | 951 | Northwestern Dr | 826647644 |
| 44542 | Ivory Mcgrevey | 873842 | 897 | Northwestern Dr | 988557407 |
| 99826 | Ivy Kazarian | 994470 | 892 | Northwestern Dr | 208359813 |
| 25615 | Olevia Morena | 388477 | 812 | Northwestern Dr | 962831331 |
| 40760 | Renata Faver | 976650 | 745 | Northwestern Dr | 547572040 |
| 10010 | Muoi Cary | 385336 | 741 | Northwestern Dr | 828638512 |
| 39688 | Abe Roeker | 537445 | 689 | Northwestern Dr | 438969447 |
| 26758 | Angelena Billman | 942074 | 629 | Northwestern Dr | 341854756 |
| 75484 | Del Tacderen | 447887 | 607 | Northwestern Dr | 243821337 |
| 12711 | Norman Apolito | 667757 | 599 | Northwestern Dr | 778264744 |
| 85280 | Donn Duin | 569122 | 540 | Northwestern Dr | 613873810 |
| 40336 | Fredia Billeter | 251082 | 404 | Northwestern Dr | 108056488 |
| 15171 | Weldon Penso | 336999 | 311 | Northwestern Dr | 131379495 |
| 89906 | Kinsey Erickson | 510019 | 309 | Northwestern Dr | 635287661 |

Hence second witness is Morty Schapiro, whose id is 14887.

SELECT transcript

FROM interview

WHERE person\_id = '16371'

| **transcript** |
| --- |
| 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 transcript

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 membership\_id

FROM get\_fit\_now\_check\_in

WHERE membership\_id LIKE '48Z%' AND check\_in\_date = '20180109'

| **membership\_id** |
| --- |
| 48Z7A |
| 48Z55 |

SELECT \*

FROM get\_fit\_now\_member m

JOIN get\_fit\_now\_check\_in

ON m.id = membership\_id

WHERE check\_in\_date = '20180109' AND membership\_status = 'gold' AND membership\_id LIKE '48Z%'

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

SELECT p.name, d.plate\_number

FROM person AS p

JOIN drivers\_license AS d

ON p.license\_id = d.id

WHERE p.name = 'Joe Germuska' OR p.name = 'Jeremy Bowers'

| **name** | **plate\_number** |
| --- | --- |
| Jeremy Bowers | 0H42W2 |

Hence the killer is Jeremy Bowers.

Now, let us interview him.  we know that Jeremy Bowers’ person\_id: 67318.

SELECT transcript

FROM interview

WHERE person\_id = '67318'

| **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 \*, d.height, d.hair\_color, d.car\_model, d.gender

FROM drivers\_license as d

WHERE gender = 'female' AND height BETWEEN 65 AND 67 AND d.hair\_color = 'red' AND car\_make = 'Tesla'

| **id** | **age** | **height** | **eye\_color** | **hair\_color** | **gender** | **plate\_number** | **car\_make** | **car\_model** | **height** | **hair\_color** | **car\_model** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 202298 | 68 | 66 | green | red | female | 500123 | Tesla | Model S | 66 | red | Model S |
| 291182 | 65 | 66 | blue | red | female | 08CM64 | Tesla | Model S | 66 | red | Model S |
| 918773 | 48 | 65 | black | red | female | 917UU3 | Tesla | Model S | 65 | red | Model S |

SELECT p.name, d.gender, d.height, d.hair\_color, d.car\_make, d.car\_model

FROM drivers\_license as d

JOIN person as p

ON d.id = p.license\_id

WHERE gender = 'female' AND d.height BETWEEN 65 AND 67 AND d.hair\_color = 'red' AND car\_make = 'Tesla' AND car\_model = 'Model S'

| **name** | **gender** | **height** | **hair\_color** | **car\_make** | **car\_model** |
| --- | --- | --- | --- | --- | --- |
| Red Korb | female | 65 | red | Tesla | Model S |
| Regina George | female | 66 | red | Tesla | Model S |
| Miranda Priestly | female | 66 | red | Tesla | Model S |

SELECT \*

FROM drivers\_license

JOIN person ON drivers\_license.id = person.license\_id

WHERE car\_make = 'Tesla' AND car\_model = 'Model S' AND gender = 'female' AND hair\_color = 'red'

| **id** | **age** | **height** | **eye\_color** | **hair\_color** | **gender** | **plate\_number** | **car\_make** | **car\_model** | **id** | **name** | **license\_id** | **address\_number** | **address\_street\_name** | **ssn** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 918773 | 48 | 65 | black | red | female | 917UU3 | Tesla | Model S | 78881 | Red Korb | 918773 | 107 | Camerata Dr | 961388910 |
| 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 WHERE person\_id IN (78881,90700,99716)

| **person\_id** | **event\_id** | **event\_name** | **date** |
| --- | --- | --- | --- |
| 99716 | 1143 | SQL Symphony Concert | 20171206 |
| 99716 | 1143 | SQL Symphony Concert | 20171212 |
| 99716 | 1143 | SQL Symphony Concert | 20171229 |

SELECT \*

FROM facebook\_event\_checkin

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

WHERE person\_id IN (78881,90700,99716)

| **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 |

Hence Miranda Priestly is the mastermind of the crime.