*BUSINESS ANALYTICS*

**Topic: SQL Assignment**

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Date of Submission

30/03/2023

**Submitted to**

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MA APPLIED ECONOMICS

DEPARTMENT OF ECONOMICS

CHRIST (DEEMED TO BE UNIVERSITY)

August 2022

1. Use case: To review the crime scene report and gather information about the murder that took place on January 15, 2018, in SQL City.

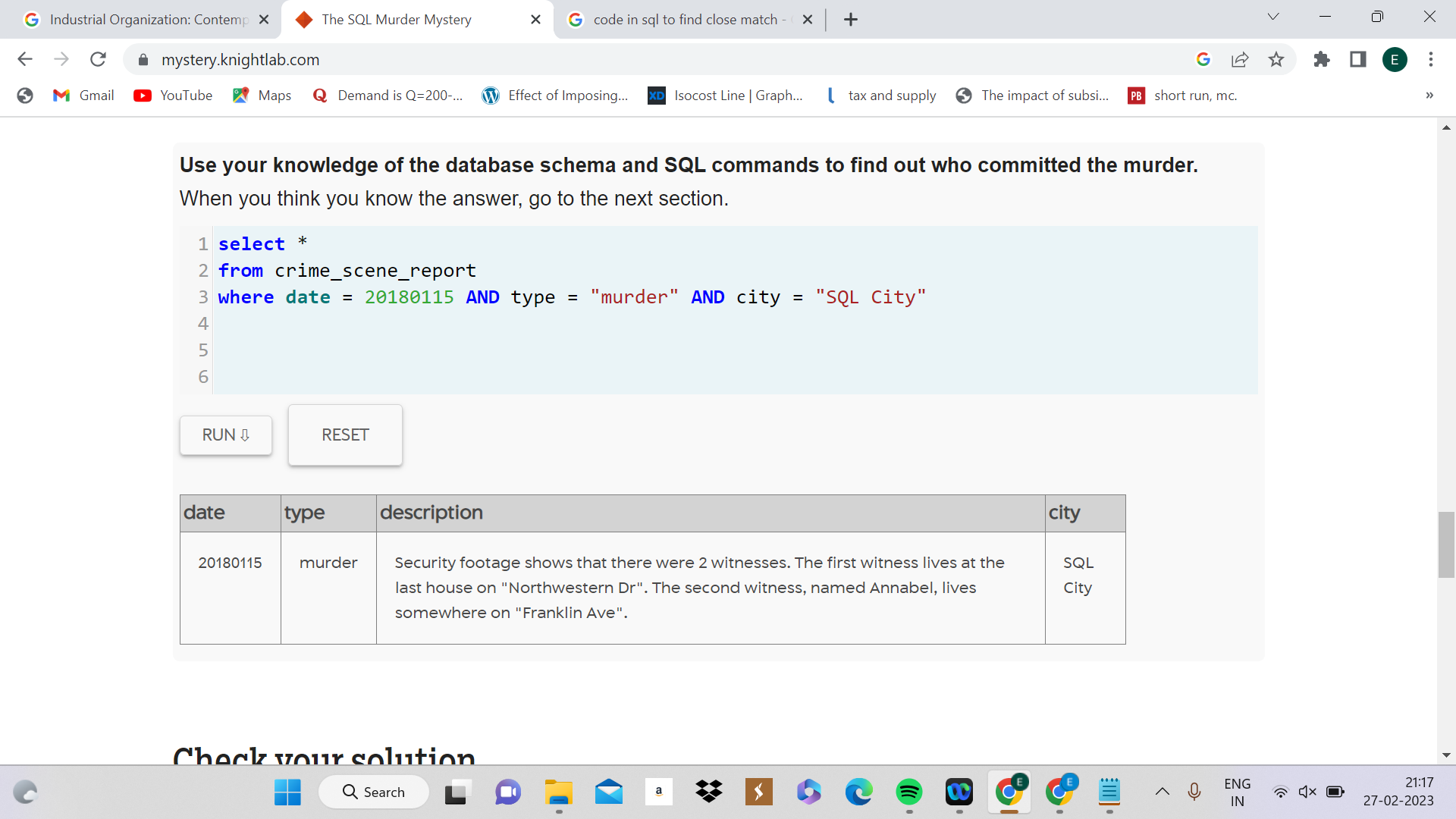
The goal is to analyze the crime scene report and extract details about the murder incident that occurred on January 15, 2018, in SQL City. We can use the SELECT statement to retrieve all columns from the crime\_scene\_report table and the WHERE clause to filter the data based on the specified date, type, and city.

SELECT \* FROM crime\_scene\_report

WHERE date = '20180115'

AND type = 'murder'

AND city = 'SQL City'

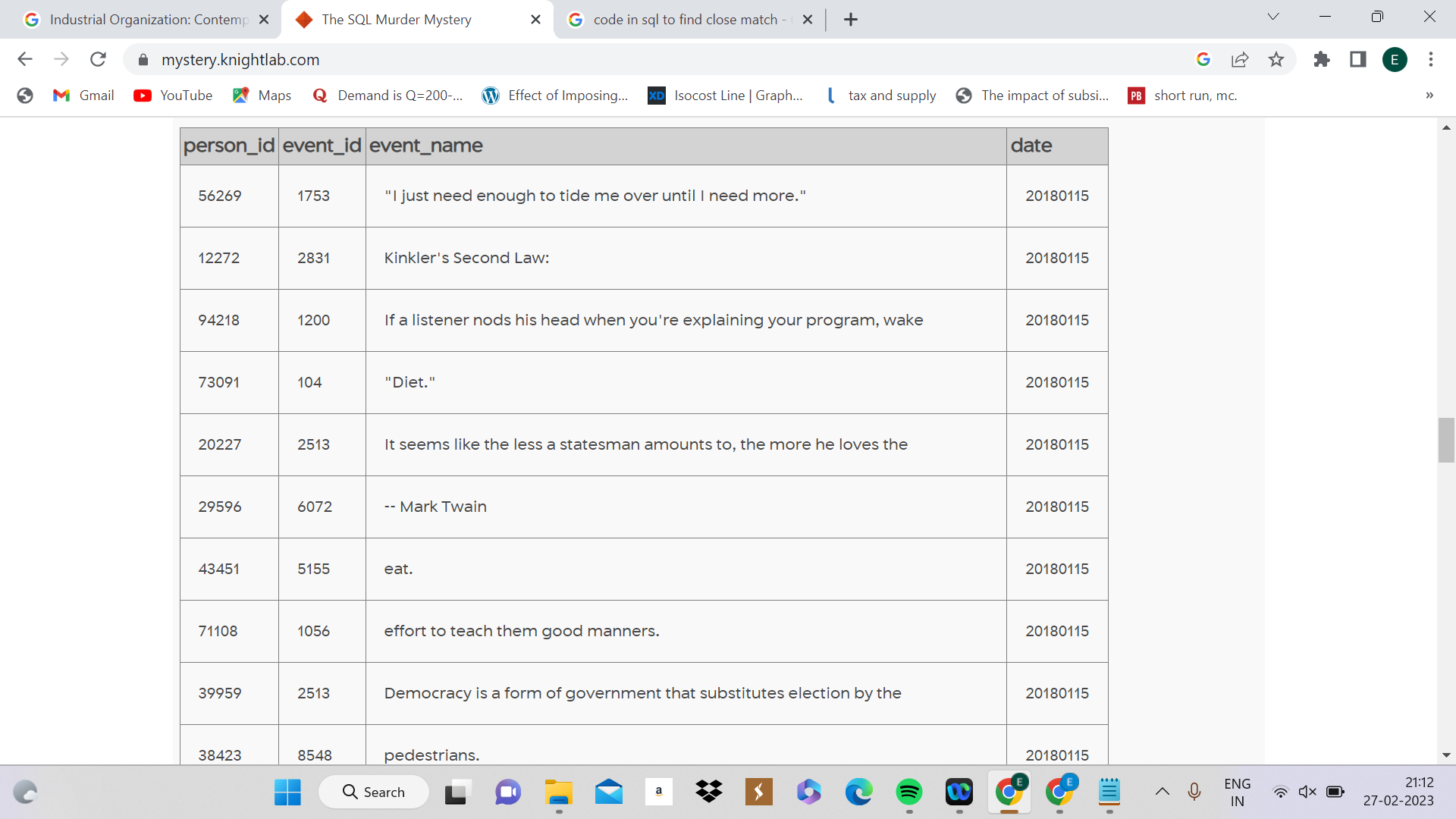


1. Use case - To check all the events happening on 15th January 2018.

SELECT \*

FROM event

WHERE start\_date = '2018-01-15'

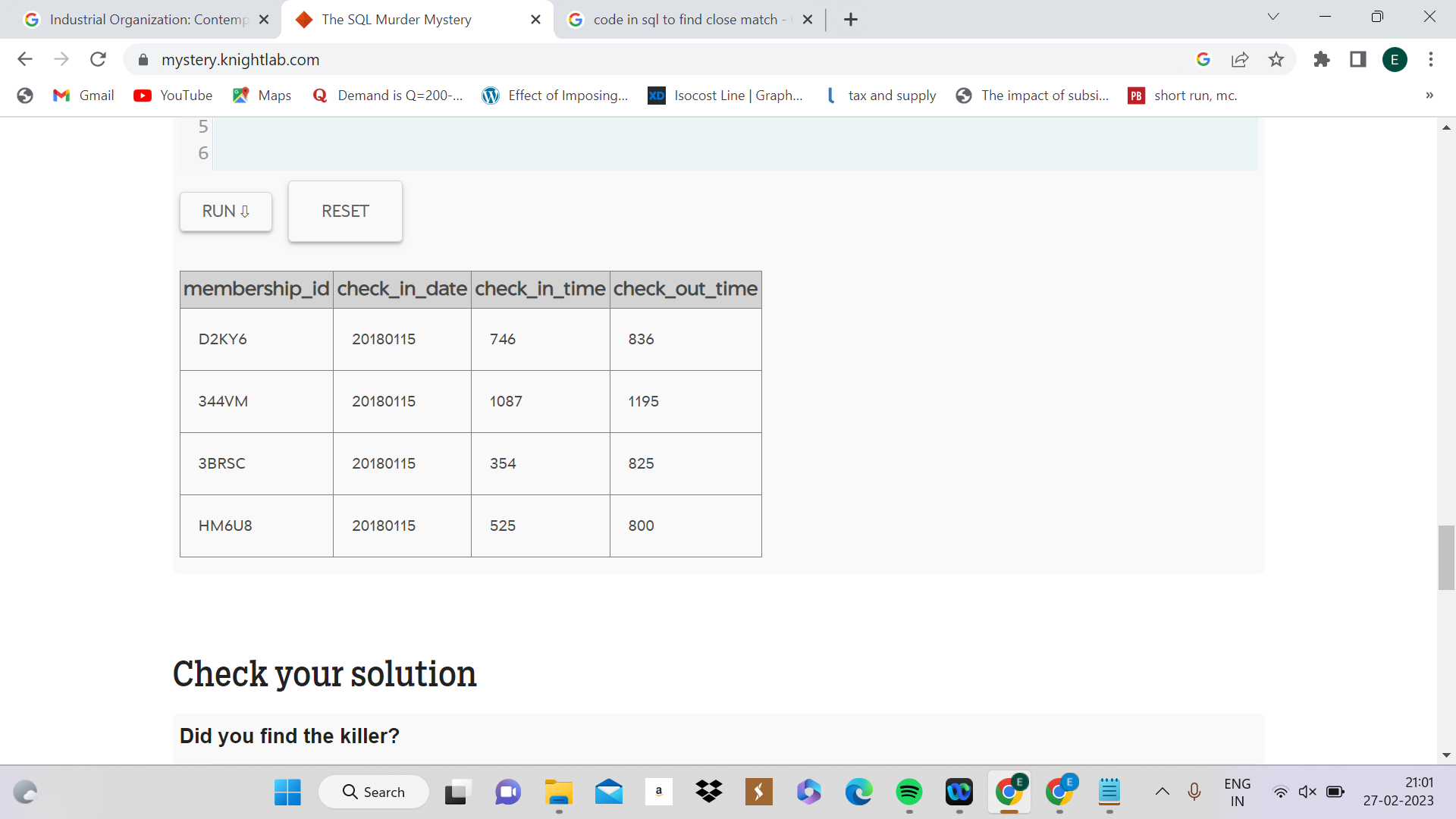


1. Use case - To understand if the murder was in the gym on the 15th of Ja nuary 2018.

SELECT \*

FROM gym\_check\_in

WHERE check\_in\_date = '2018-01-15' AND location = 'Get Fit Now Gym'



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**.

1. 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**.

1. 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 |

1. 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 |

1. SELECT name, address\_street\_name, address\_number, license\_id

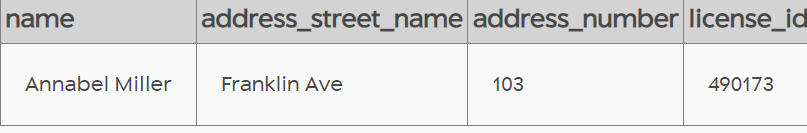
FROM person

JOIN drivers\_license

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

WHERE address\_street\_name = "Franklin Ave" AND

name LIKE "Annabel%"



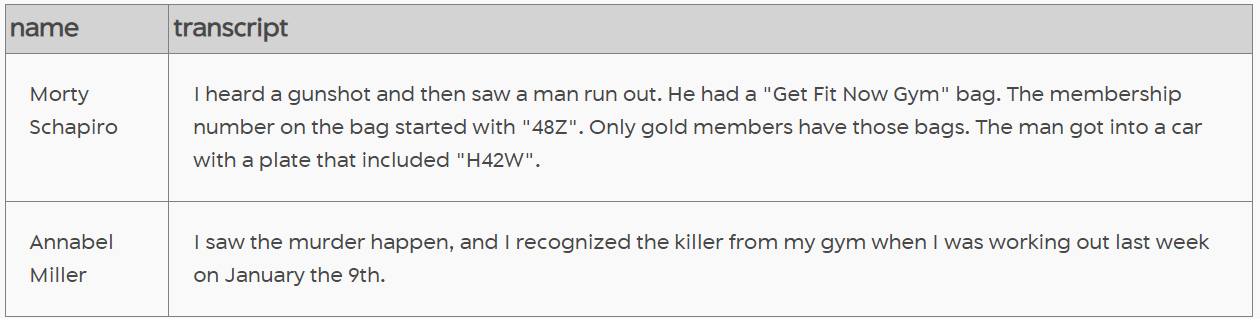
1. SELECT p.name, i.transcript

FROM person p

JOIN interview i

ON p.id = i.person\_id

WHERE p.id IN (14887, 16371)



1. SELECT p.name, i.transcript

FROM person p

JOIN interview i

ON p.id = i.person\_id

WHERE p.name LIKE '%Jeremy Bowers%'

