

Базы данных и СУБД
Лабораторная работа №2
«Расследовать убийство с помощью SQL»

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г. Пермь 2022

1) Запрос для поиска отчета о преступлении:

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM crime_scene_report
3 where date = 20180115 and type = 'murder' and city = 'SQL City'
4
5
6
7
8
9
```

RUN ↴

RESET

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

2) Запрос для поиска свидетеля, который живет на "Northwestern Dr"

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM person
3 where address_street_name = 'Northwestern Dr'
4 order by address_number desc
5 LIMIT 1
6
7
8
9
```

RUN ↴

RESET

id	name	license_id	address_number	address_street_name	ssn
14887	Morty Schapiro	118009	4919	Northwestern Dr	111564949

3) Запрос для поиска свидетеля, который живет на "Franklin Ave"

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM person
3 where address_street_name = 'Franklin Ave' and name like 'Annabel%'
4
5
6
7
8
```

RUN ↴

RESET

id	name	license_id	address_number	address_street_name	ssn
16371	Annabel Miller	490173	103	Franklin Ave	318771143

4) Запросы для поиска интервью свидетелей

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM interview
3 where person_id = 14887
4
5
6
7
8
9
```

RUN ↴

RESET

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".

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder. When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM interview
3 where person_id = 16371
4
5
6
7
8
9
```

RUN ↴

RESET

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.

5) Запрос для поиска убийцы по дате похода в зал и личному номеру членства (2 человека подходят)

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder. When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM get_fit_now_check_in
3 where check_in_date = 20180109 and membership_id like '48Z%'
4
5
6
7
8
9
```

RUN ↴

RESET

membership_id	check_in_date	check_in_time	check_out_time
48Z7A	20180109	1600	1730
48Z55	20180109	1530	1700

6) Запросы для нахождения персонального айди двух подозреваемых

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM get_fit_now_member
3 where id = '48Z7A'
4
5
6
7
8
9
```

RUN ↴

RESET

id	person_id	name	membership_start_date	membership_status
48Z7A	28819	Joe Germuska	20160305	gold

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM get_fit_now_member
3 where id = '48Z55'
4
5
6
7
8
9
```

RUN ↴

RESET

id	person_id	name	membership_start_date	membership_status
48Z55	67318	Jeremy Bowers	20160101	gold

7) Запрос для нахождения интервью подозреваемых (Jeremy Bowers сознался, но он лишь исполнитель, а есть заказчик, которого описал убийца)

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder. When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM interview
3 where person_id = 67318
4
5
6
7
8
9
```

RUN ↴

RESET

person_id	transcript
67318	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.

8) Запрос для нахождения заказчика по описанию убийцы (находим 3 человек)

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder. When you think you know the answer, go to the next section.

```
1
2 license
3 ce = 'Tesla' and car_model = 'Model S' and hair_color = 'red' and gender = 'female'
4
5
6
7
8
```

RUN ↴

RESET

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
918773	48	65	black	red	female	917UU3	Tesla	Model S

9) Запрос для нахождения персонального айди трех подозреваемых

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM person
3 where license_id = 202298 or license_id = 291182 or license_id = 918773
4
5
6
7
8
9
```

RUN ↴

RESET

id	name	license_id	address_number	address_street_name	ssn
78881	Red Korb	918773	107	Camerata Dr	961388910
90700	Regina George	291182	332	Maple Ave	337169072
99716	Miranda Priestly	202298	1883	Golden Ave	987756388

10) Запрос для нахождения того, кто посещал концерт SQL

And you can always go to the [walkthrough](#).

Use your knowledge of the database schema and SQL commands to find out who committed the murder.

When you think you know the answer, go to the next section.

```
1 SELECT *
2 FROM facebook_event_checkin
3 where person_id = 78881 or person_id = 90700 or person_id = 99716 and event_name = 'SQL Sympl
4
5
6
7
8
9
```

RUN ↴

RESET

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

По показаниям убийцы, заказчик посещал концерт SQL 3 раза в декабре, следовательно заказчик – Miranda Priestly

Check your solution

Did you find the killer?

```
1 INSERT INTO solution VALUES (1, 'Miranda Priestly');
2
3 SELECT value FROM solution;
```

RUN ↴

RESET

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!