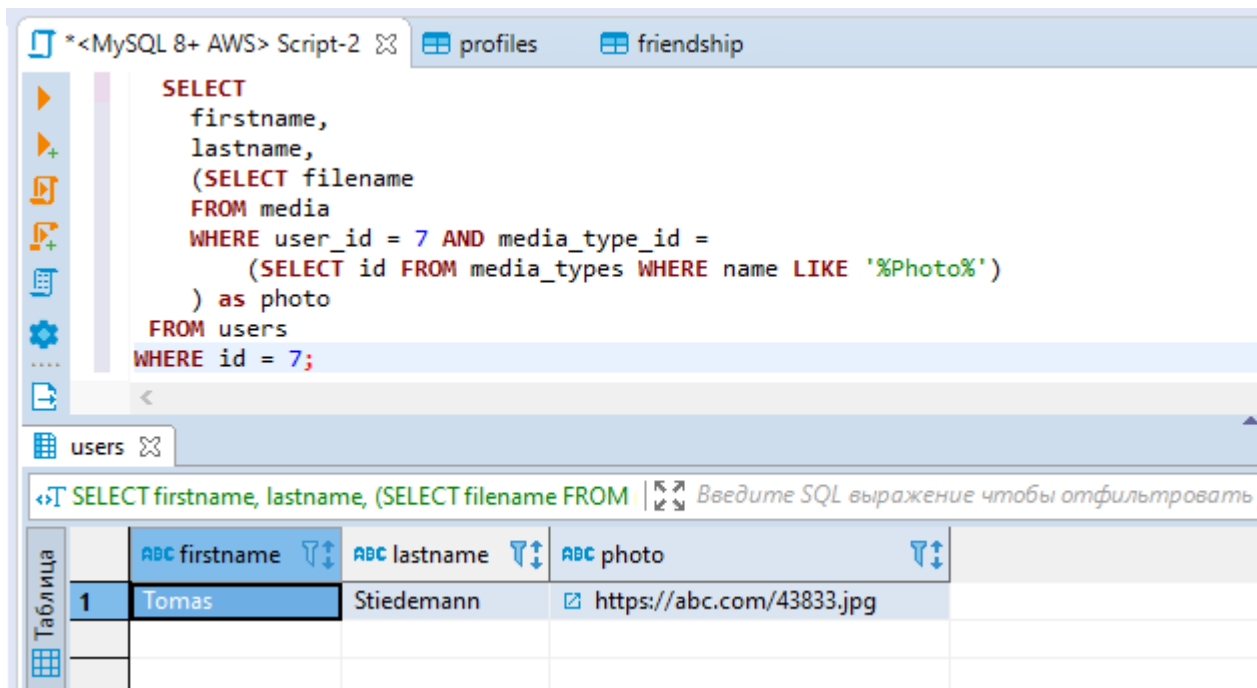


1. Проанализировать запросы, которые выполнялись на занятии, определить возможные корректировки и/или улучшения (JOIN пока не применять).

-- Получаем все фотографии пользователя. Добавлены Имя и Фамилия пользователя



The screenshot shows a MySQL 8+ AWS Script-2 window with a SQL query and its result in a table view.

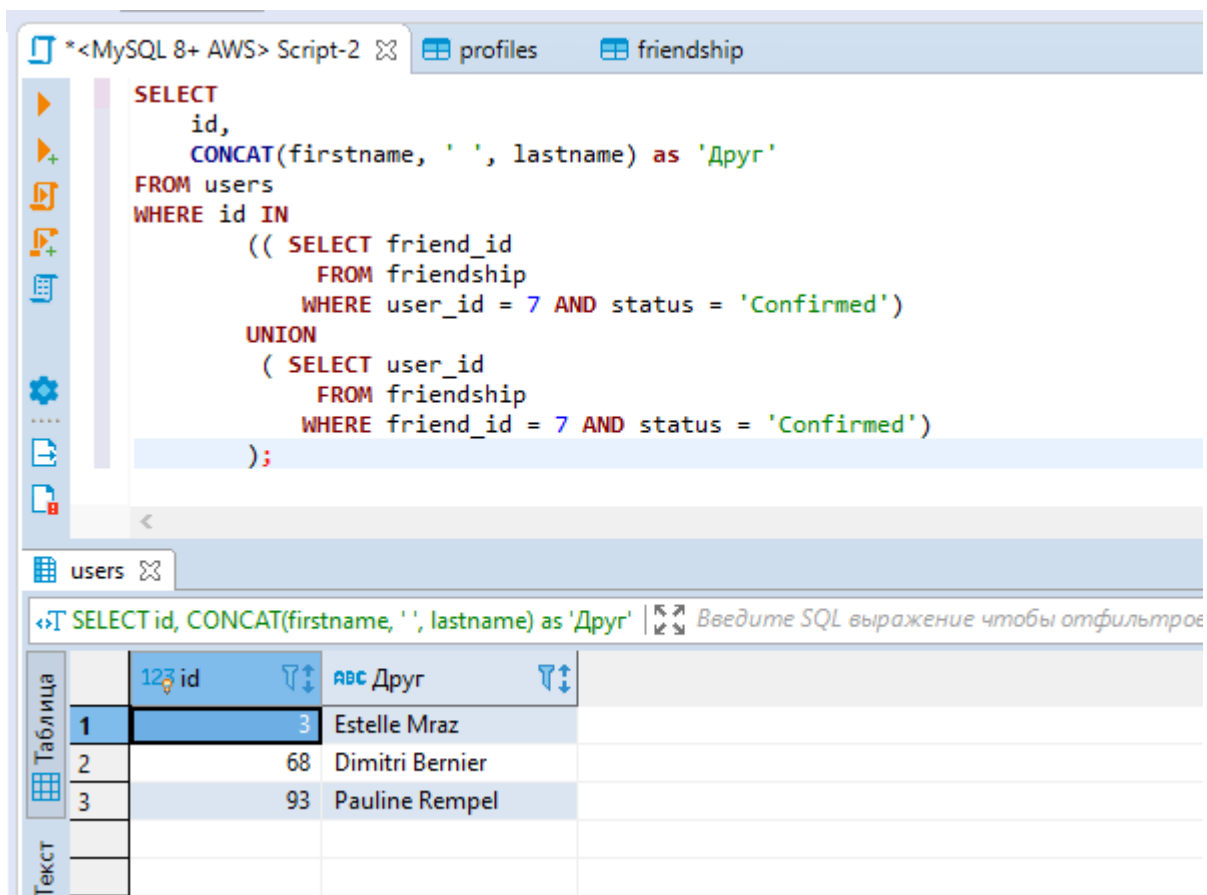
```
SELECT
  firstname,
  lastname,
  (SELECT filename
   FROM media
   WHERE user_id = 7 AND media_type_id =
     (SELECT id FROM media_types WHERE name LIKE '%Photo%'))
   as photo
FROM users
WHERE id = 7;
```

The result is displayed in a table view with columns: **1**, **ABC firstname**, **ABC lastname**, and **ABC photo**.

	1	ABC firstname	ABC lastname	ABC photo
	1	Tomas	Stiedemann	https://abc.com/43833.jpg

-- Выбираем друзей с подтверждённым статусом для пользователя с id=7.

В таблице friendship имеются статусы 'Confirmed', 'Rejected', 'Request'. Добавлены имена друзей.



The screenshot shows a MySQL 8+ AWS Script-2 window with a SQL query and its result in a table view.

```
SELECT
  id,
  CONCAT(firstname, ' ', lastname) as 'Друг'
FROM users
WHERE id IN
  (( SELECT friend_id
     FROM friendship
     WHERE user_id = 7 AND status = 'Confirmed')
  UNION
  ( SELECT user_id
    FROM friendship
    WHERE friend_id = 7 AND status = 'Confirmed')
);
```

The result is displayed in a table view with columns: **123 id** and **ABC Друг**.

	123 id	ABC Друг
1	3	Estelle Mraz
2	68	Dimitri Bernier
3	93	Pauline Rempel

2. Пусть задан некоторый пользователь. Из всех друзей этого пользователя найдите человека, который больше всех общался с нашим пользователем.

The screenshot shows a MySQL 8+ AWS Script-2 window with a SQL query and its result. The query is as follows:

```
SELECT
    from_user_id,
    (SELECT CONCAT(firstname, ' ', lastname)
     FROM users
     WHERE id = from_user_id) AS friend,
    COUNT(*) AS total
FROM messages
WHERE to_user_id=7
GROUP BY from_user_id

UNION

SELECT
    to_user_id,
    (SELECT CONCAT(firstname, ' ', lastname)
     FROM users
     WHERE id = to_user_id) AS friend,
    COUNT(*) AS total
FROM messages
WHERE from_user_id=7
GROUP BY to_user_id

ORDER BY total DESC
LIMIT 1;
```

The result is displayed in a table with the following data:

Таблица	123 from_user_id	ABC friend	123 total
1	10	Adrien Tomas	2

3. Подсчитать общее количество лайков, которые получили 10 самых молодых пользователей.

The screenshot shows a MySQL 8+ AWS Script-2 window with a SQL query and its result. The query is as follows:

```
SELECT
    COUNT(*) AS 'Всего лайков'
FROM likes
WHERE user_id
    IN (SELECT age.user_id
        FROM (SELECT
            user_id,
            birthday
            FROM profiles
            ORDER BY birthday DESC
            LIMIT 10) AS age
    );
```

The result is displayed in a table with the following data:

Таблица	123 Всего лайков
1	12

4. Определить кто больше поставил лайков (всего) - мужчины или женщины? Мужчины – 60 лайков.

*<MySQL 8+ AWS> Script-2 profiles

```
SELECT
    COUNT(*) AS likes,
    sex
FROM likes, profiles
WHERE likes.user_id = profiles.user_id
GROUP BY sex
ORDER BY likes DESC;
```

profiles

SELECT COUNT(*) AS likes, sex FROM likes, profiles W Введите SQL выражение

Таблица	likes	sex
1	60	m
2	40	f

5. Найти 10 пользователей, которые проявляют наименьшую активность в использовании социальной сети.

*<MySQL 8+ AWS> Script-2 profiles

```
SELECT
    CONCAT(firstname, ' ', lastname) AS 'Пользователь',
    (SELECT COUNT(user_id) FROM likes WHERE user_id = users.id) AS count_likes,
    (SELECT COUNT(from_user_id) FROM messages WHERE from_user_id = users.id) AS count_messages,
    (SELECT COUNT(user_id) FROM media WHERE user_id = users.id) AS count_media,
    (SELECT count_likes + count_messages + count_media) AS TOTAL
FROM users
ORDER BY total
LIMIT 10;
```

Result

SELECT CONCAT(firstname, ' ', lastname) AS 'Пользователь' Введите SQL выражение чтобы отфильтровать результаты

Таблица	Пользователь	count_likes	count_messages	count_media	TOTAL
1	Jaylin Morissette	0	0	0	0
2	Geraldine Turcotte	0	0	0	0
3	Estelle Mraz	0	0	0	0
4	Blair Daniel	0	0	0	0
5	Jonathon Mertz	0	0	0	0
6	Serena Schultz	0	0	0	0
7	Judd Lesch	1	0	0	1
8	Brittany Luetttgen	0	0	1	1
9	Delaney Johnston	0	0	1	1
10	Mavis Jacobson	0	1	0	1