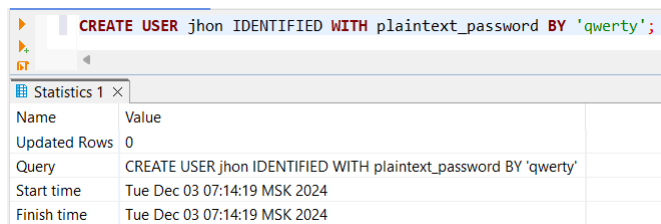


1. Создать пользователя jhon с паролем «qwerty»

```
CREATE USER jhon IDENTIFIED WITH plaintext_password BY 'qwerty';
```

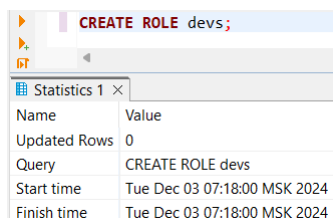


The screenshot shows a SQL IDE interface. At the top, the command `CREATE USER jhon IDENTIFIED WITH plaintext_password BY 'qwerty';` is entered. Below it, a statistics window titled "Statistics 1" displays the following information:

Name	Value
Updated Rows	0
Query	CREATE USER jhon IDENTIFIED WITH plaintext_password BY 'qwerty'
Start time	Tue Dec 03 07:14:19 MSK 2024
Finish time	Tue Dec 03 07:14:19 MSK 2024

2. Создать роль devs

```
CREATE ROLE devs;
```

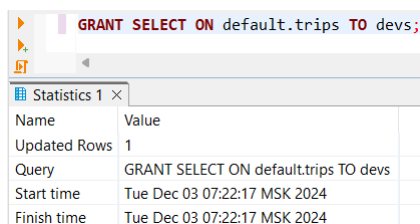


The screenshot shows a SQL IDE interface. At the top, the command `CREATE ROLE devs;` is entered. Below it, a statistics window titled "Statistics 1" displays the following information:

Name	Value
Updated Rows	0
Query	CREATE ROLE devs
Start time	Tue Dec 03 07:18:00 MSK 2024
Finish time	Tue Dec 03 07:18:00 MSK 2024

3. Выдать роли devs права на SELECT на любую таблицу

```
GRANT SELECT ON default.trips TO devs;
```

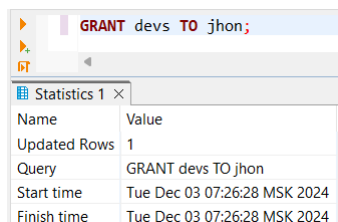


The screenshot shows a SQL IDE interface. At the top, the command `GRANT SELECT ON default.trips TO devs;` is entered. Below it, a statistics window titled "Statistics 1" displays the following information:

Name	Value
Updated Rows	1
Query	GRANT SELECT ON default.trips TO devs
Start time	Tue Dec 03 07:22:17 MSK 2024
Finish time	Tue Dec 03 07:22:17 MSK 2024

4. Выдать роль devs пользователю jhon

```
GRANT devs TO jhon;
```

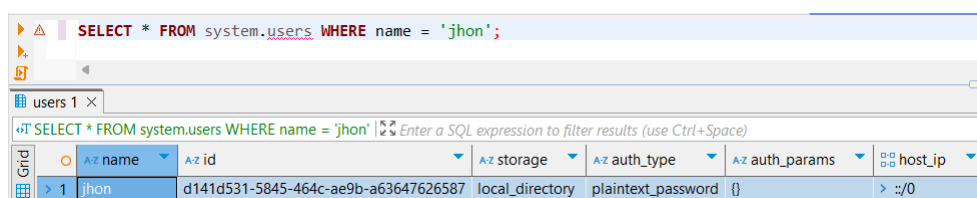


The screenshot shows a SQL IDE interface. At the top, the command `GRANT devs TO jhon;` is entered. Below it, a statistics window titled "Statistics 1" displays the following information:

Name	Value
Updated Rows	1
Query	GRANT devs TO jhon
Start time	Tue Dec 03 07:26:28 MSK 2024
Finish time	Tue Dec 03 07:26:28 MSK 2024

5. Предоставить результаты SELECT из system-таблиц соответствующих созданным сущностям

```
SELECT * FROM system.users WHERE name = 'jhon';
```



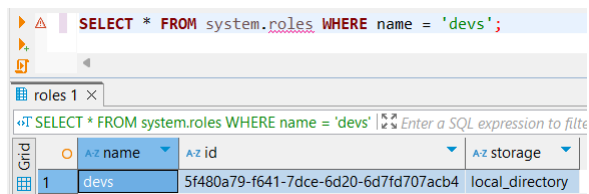
The screenshot shows a SQL IDE interface. At the top, the command `SELECT * FROM system.users WHERE name = 'jhon';` is entered. Below it, a statistics window titled "users 1" displays the following information:

Name	Value
Updated Rows	1
Query	SELECT * FROM system.users WHERE name = 'jhon'
Start time	Tue Dec 03 07:26:28 MSK 2024
Finish time	Tue Dec 03 07:26:28 MSK 2024

Below the statistics window, a table titled "users 1" is displayed with the following columns: name, id, storage, auth_type, auth_params, host_ip. The table contains one row with the following values:

name	id	storage	auth_type	auth_params	host_ip
jhon	d141d531-5845-464c-ae9b-a63647626587	local_directory	plaintext_password	{}	::/0

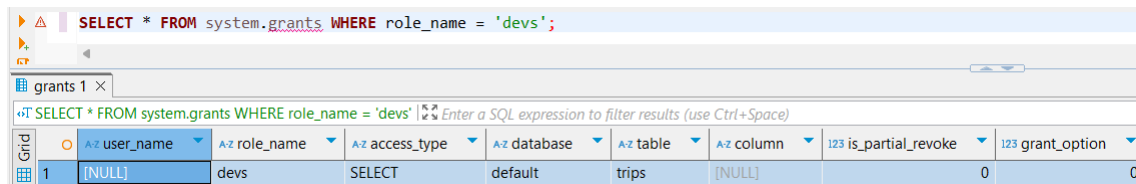
```
SELECT * FROM system.roles WHERE name = 'devs';
```



The screenshot shows a database client interface. At the top, a SQL query is entered: `SELECT * FROM system.roles WHERE name = 'devs';`. Below the query, the results are displayed in a table titled "roles 1". The table has three columns: "name", "id", and "storage". The first row contains the values "devs", "5f480a79-f641-7dce-6d20-6d7fd707acb4", and "local_directory".

	name	id	storage
1	devs	5f480a79-f641-7dce-6d20-6d7fd707acb4	local_directory

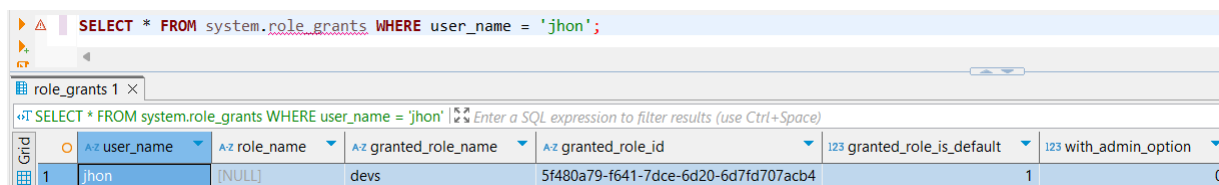
```
SELECT * FROM system.grants WHERE role_name = 'devs';
```



The screenshot shows a database client interface. At the top, a SQL query is entered: `SELECT * FROM system.grants WHERE role_name = 'devs';`. Below the query, the results are displayed in a table titled "grants 1". The table has nine columns: "user_name", "role_name", "access_type", "database", "table", "column", "is_partial_revoke", and "grant_option". The first row contains the values "[NULL]", "devs", "SELECT", "default", "trips", "[NULL]", "0", and "0".

	user_name	role_name	access_type	database	table	column	is_partial_revoke	grant_option
1	[NULL]	devs	SELECT	default	trips	[NULL]	0	0

```
SELECT * FROM system.role_grants WHERE user_name = 'jhon';
```



The screenshot shows a database client interface. At the top, a SQL query is entered: `SELECT * FROM system.role_grants WHERE user_name = 'jhon';`. Below the query, the results are displayed in a table titled "role_grants 1". The table has seven columns: "user_name", "role_name", "granted_role_name", "granted_role_id", "granted_role_is_default", and "with_admin_option". The first row contains the values "jhon", "[NULL]", "devs", "5f480a79-f641-7dce-6d20-6d7fd707acb4", "1", and "0".

	user_name	role_name	granted_role_name	granted_role_id	granted_role_is_default	with_admin_option
1	jhon	[NULL]	devs	5f480a79-f641-7dce-6d20-6d7fd707acb4	1	0