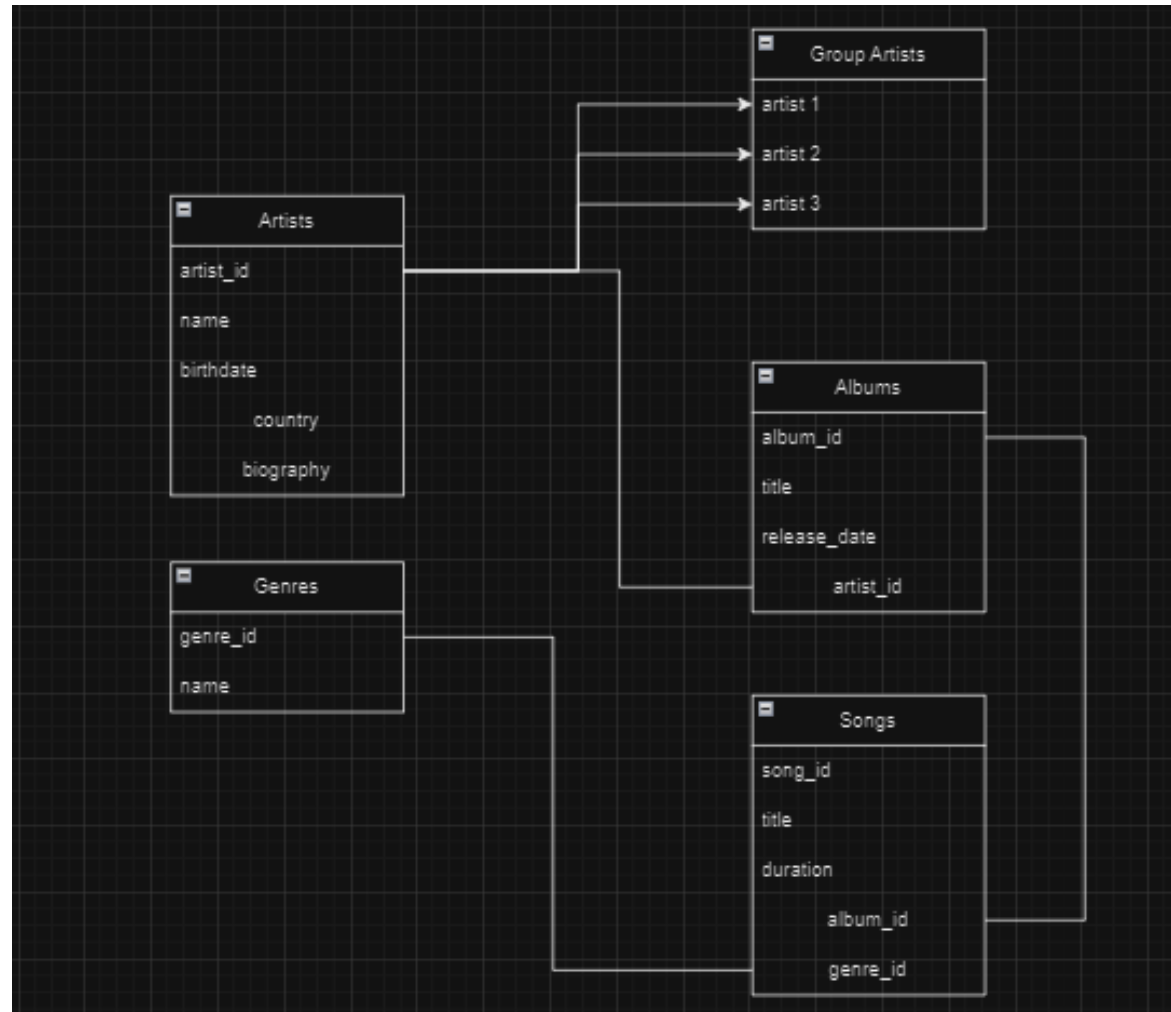
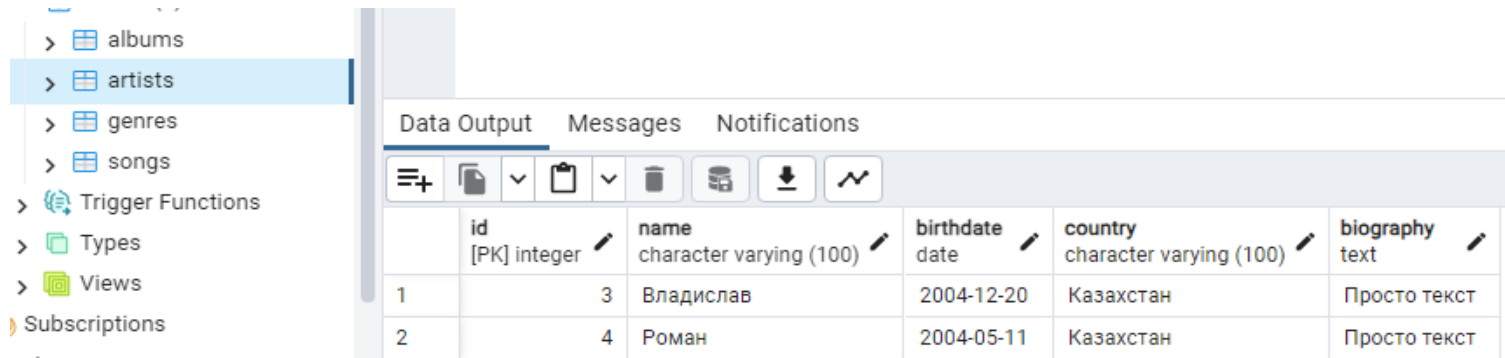


# Лабораторная работа №7

- Основная схема

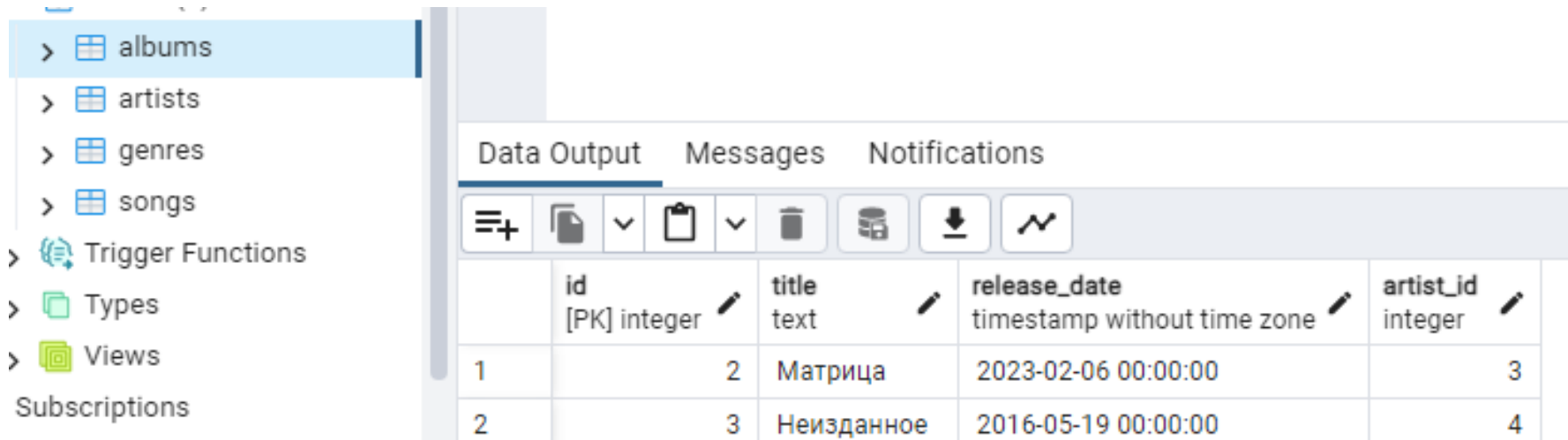


# 1 Таблица artists, связь: artists\_id передается в таблицу albums



The screenshot shows a database management interface. On the left, a sidebar lists database objects: albums, artists (selected), genres, songs, Trigger Functions, Types, Views, and Subscriptions. The main area displays the 'artists' table structure and data. The table has columns: id (PK integer), name (character varying (100)), birthdate (date), country (character varying (100)), and biography (text). The data output shows two rows.

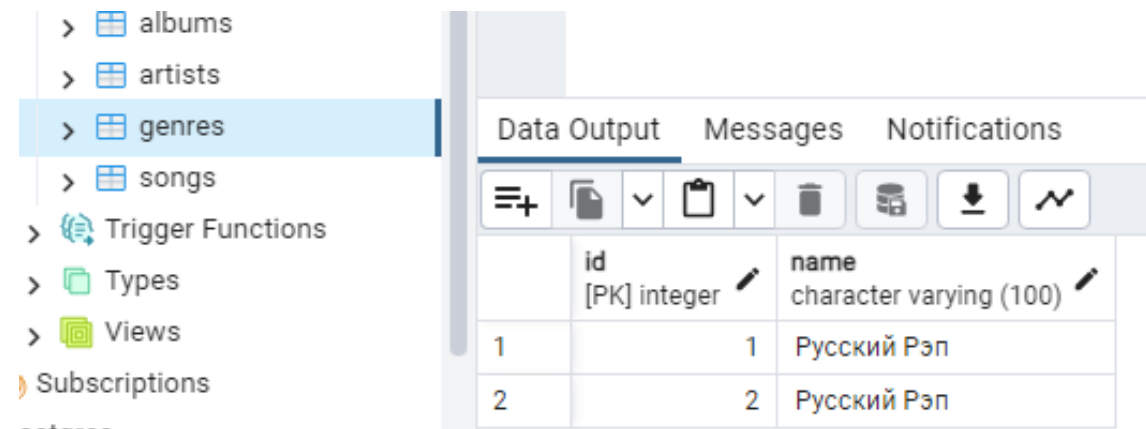
	id [PK] integer	name character varying (100)	birthdate date	country character varying (100)	biography text
1	3	Владислав	2004-12-20	Казахстан	Просто текст
2	4	Роман	2004-05-11	Казахстан	Просто текст



The screenshot shows a database management interface. On the left, a sidebar lists database objects: albums (selected), artists, genres, songs, Trigger Functions, Types, Views, and Subscriptions. The main area displays the 'albums' table structure and data. The table has columns: id (PK integer), title (text), release\_date (timestamp without time zone), and artist\_id (integer). The data output shows two rows.

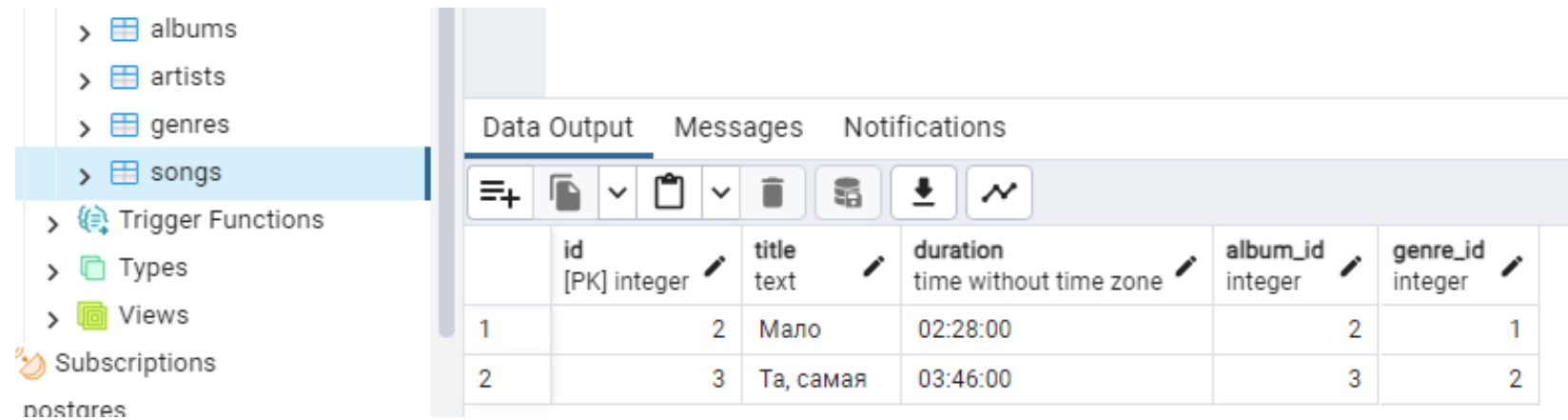
	id [PK] integer	title text	release_date timestamp without time zone	artist_id integer
1	2	Матрица	2023-02-06 00:00:00	3
2	3	Неизданное	2016-05-19 00:00:00	4

2 Таблица genres, связь: genre\_id  
передаётся в таблицу songs в genre\_id



The screenshot shows a database management interface. In the left sidebar, the 'genres' table is selected. The main panel displays the 'Data Output' tab for the 'genres' table. The table has two columns: 'id' (integer, primary key) and 'name' (character varying (100)). There are two rows of data.

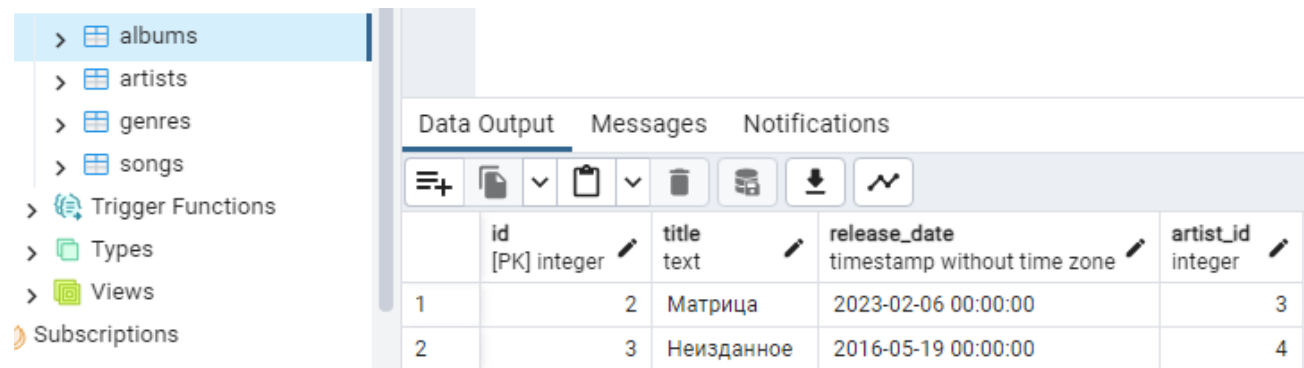
	id [PK] integer	name character varying (100)
1	1	Русский Рэп
2	2	Русский Рэп



The screenshot shows a database management interface. In the left sidebar, the 'songs' table is selected. The main panel displays the 'Data Output' tab for the 'songs' table. The table has six columns: 'id' (integer, primary key), 'title' (text), 'duration' (time without time zone), 'album\_id' (integer), and 'genre\_id' (integer). There are two rows of data.

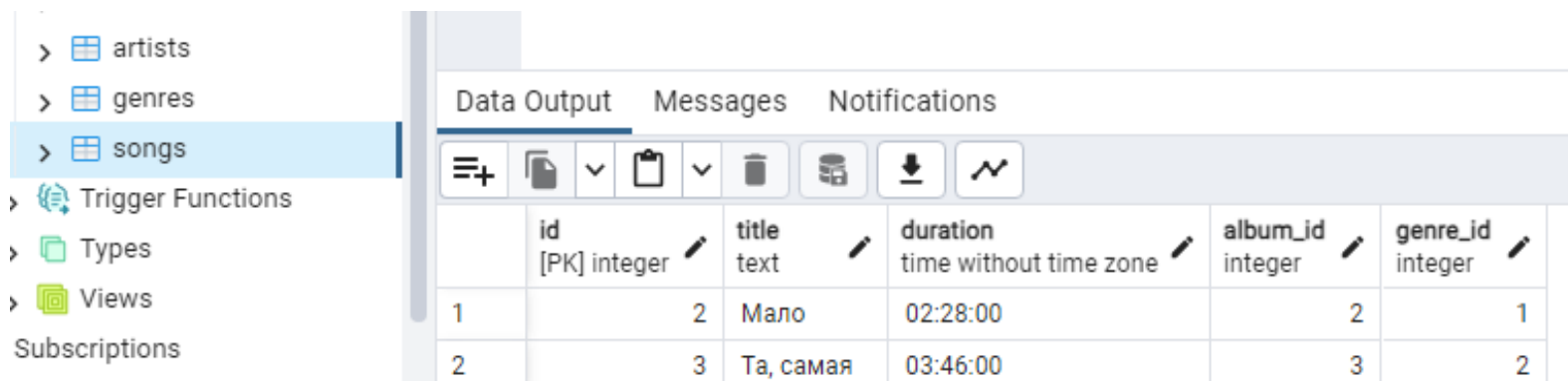
	id [PK] integer	title text	duration time without time zone	album_id integer	genre_id integer
1	2	Мало	02:28:00	2	1
2	3	Та, самая	03:46:00	3	2

3 Таблица Albums, связь: получает данные из таблицы artists в artist\_id, данные album\_id передаёт в таблицу songs в album\_id



The screenshot shows a database management interface. On the left, a sidebar lists database objects: albums, artists, genres, songs, Trigger Functions, Types, Views, and Subscriptions. The 'albums' table is selected. On the right, the 'Data Output' tab is active, displaying the table's schema and data.

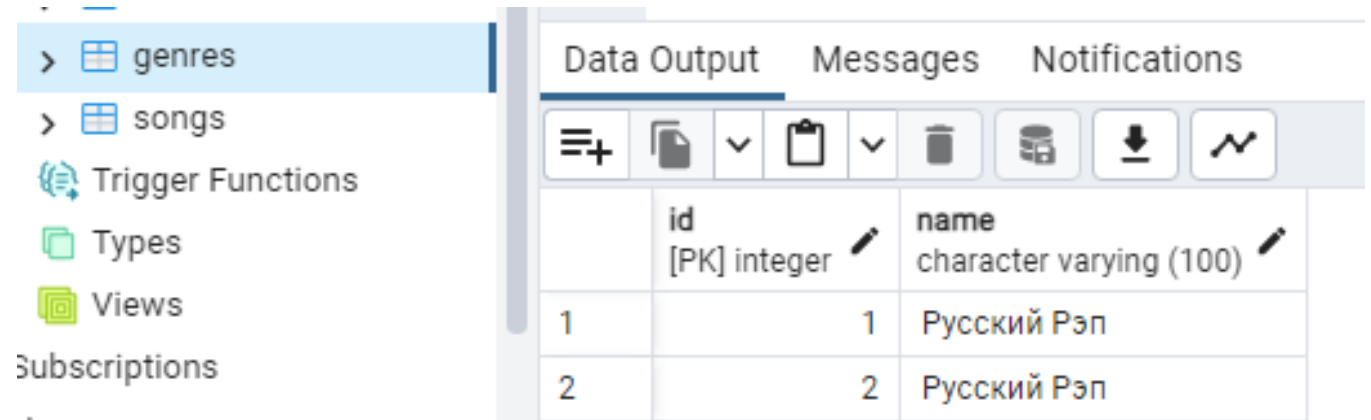
	id [PK] integer	title text	release_date timestamp without time zone	artist_id integer
1	2	Матрица	2023-02-06 00:00:00	3
2	3	Неизданное	2016-05-19 00:00:00	4



The screenshot shows the same database management interface, but with the 'songs' table selected in the sidebar. The 'Data Output' tab displays the table's schema and data.

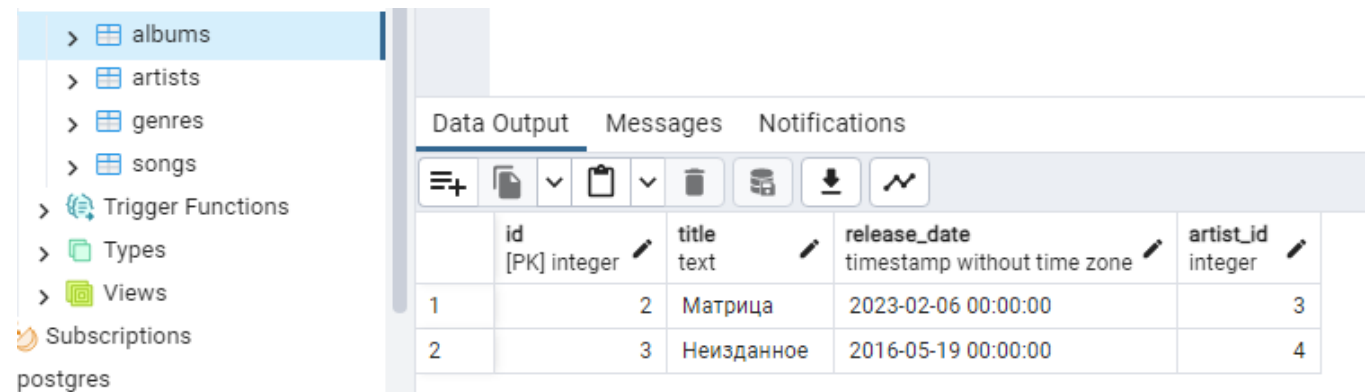
	id [PK] integer	title text	duration time without time zone	album_id integer	genre_id integer
1	2	Мало	02:28:00	2	1
2	3	Та, самая	03:46:00	3	2

4 Таблица songs, связь: получает данные в genre\_id из таблицы genres, album\_id получает данные из таблицы albums



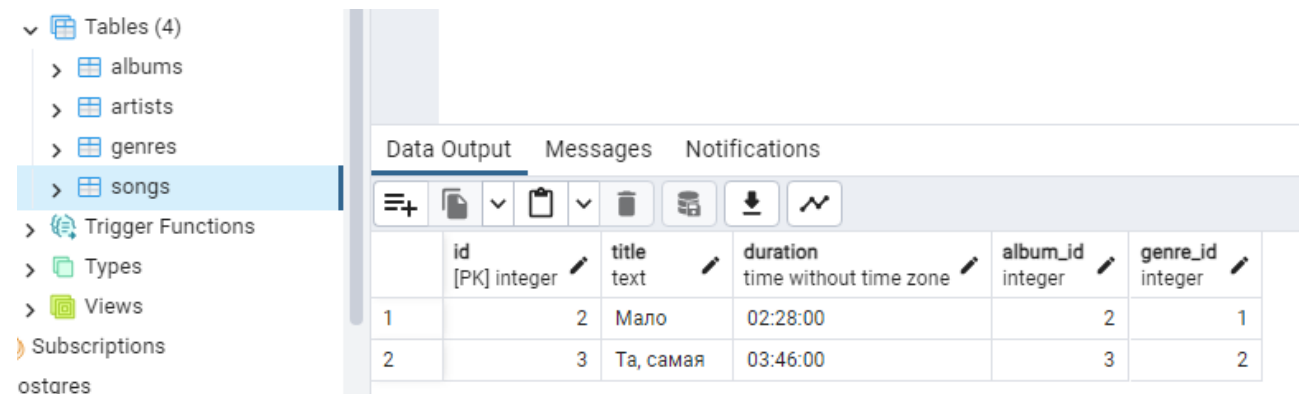
The screenshot shows the 'genres' table selected in the left sidebar. The main panel displays the table's structure and data. The table has two columns: 'id' (integer, primary key) and 'name' (character varying (100)).

	id [PK] integer	name character varying (100)
1	1	Русский Рэп
2	2	Русский Рэп



The screenshot shows the 'albums' table selected in the left sidebar. The main panel displays the table's structure and data. The table has four columns: 'id' (integer, primary key), 'title' (text), 'release\_date' (timestamp without time zone), and 'artist\_id' (integer).

	id [PK] integer	title text	release_date timestamp without time zone	artist_id integer
1	2	Матрица	2023-02-06 00:00:00	3
2	3	Неизданное	2016-05-19 00:00:00	4



The screenshot shows the 'songs' table selected in the left sidebar. The main panel displays the table's structure and data. The table has five columns: 'id' (integer, primary key), 'title' (text), 'duration' (time without time zone), 'album\_id' (integer), and 'genre\_id' (integer).

	id [PK] integer	title text	duration time without time zone	album_id integer	genre_id integer
1	2	Мало	02:28:00	2	1
2	3	Та, самая	03:46:00	3	2