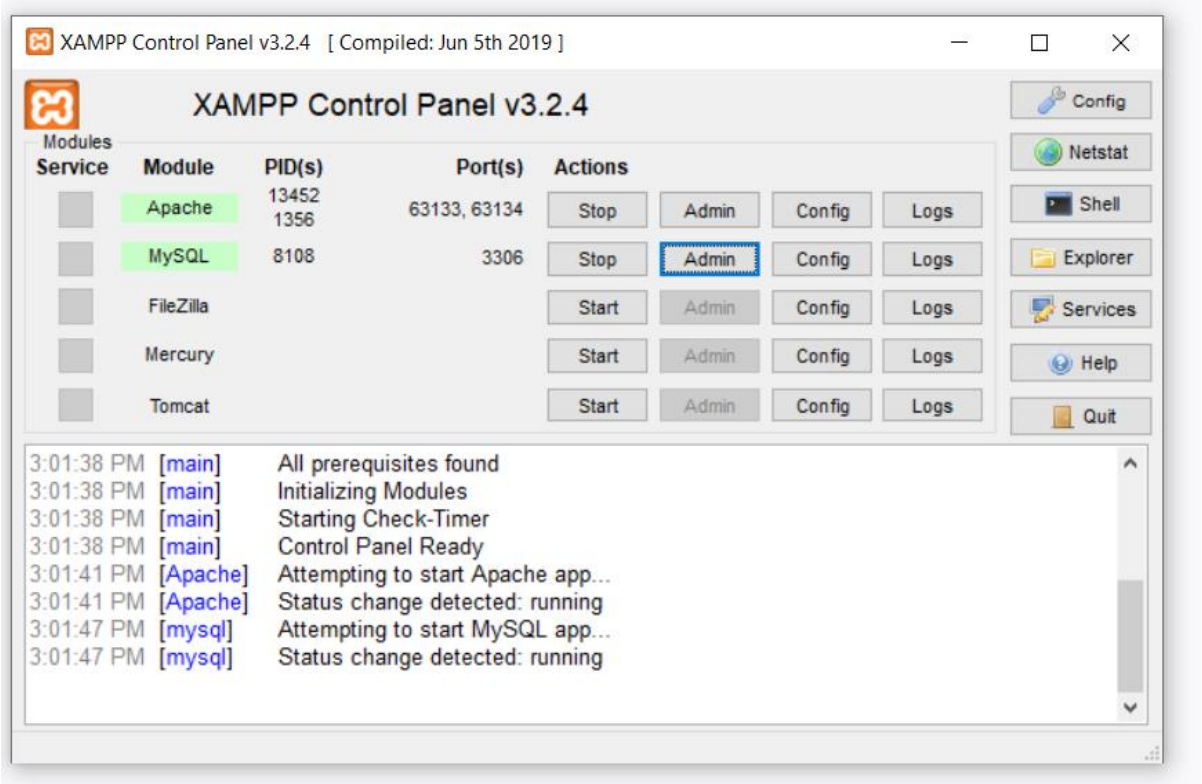
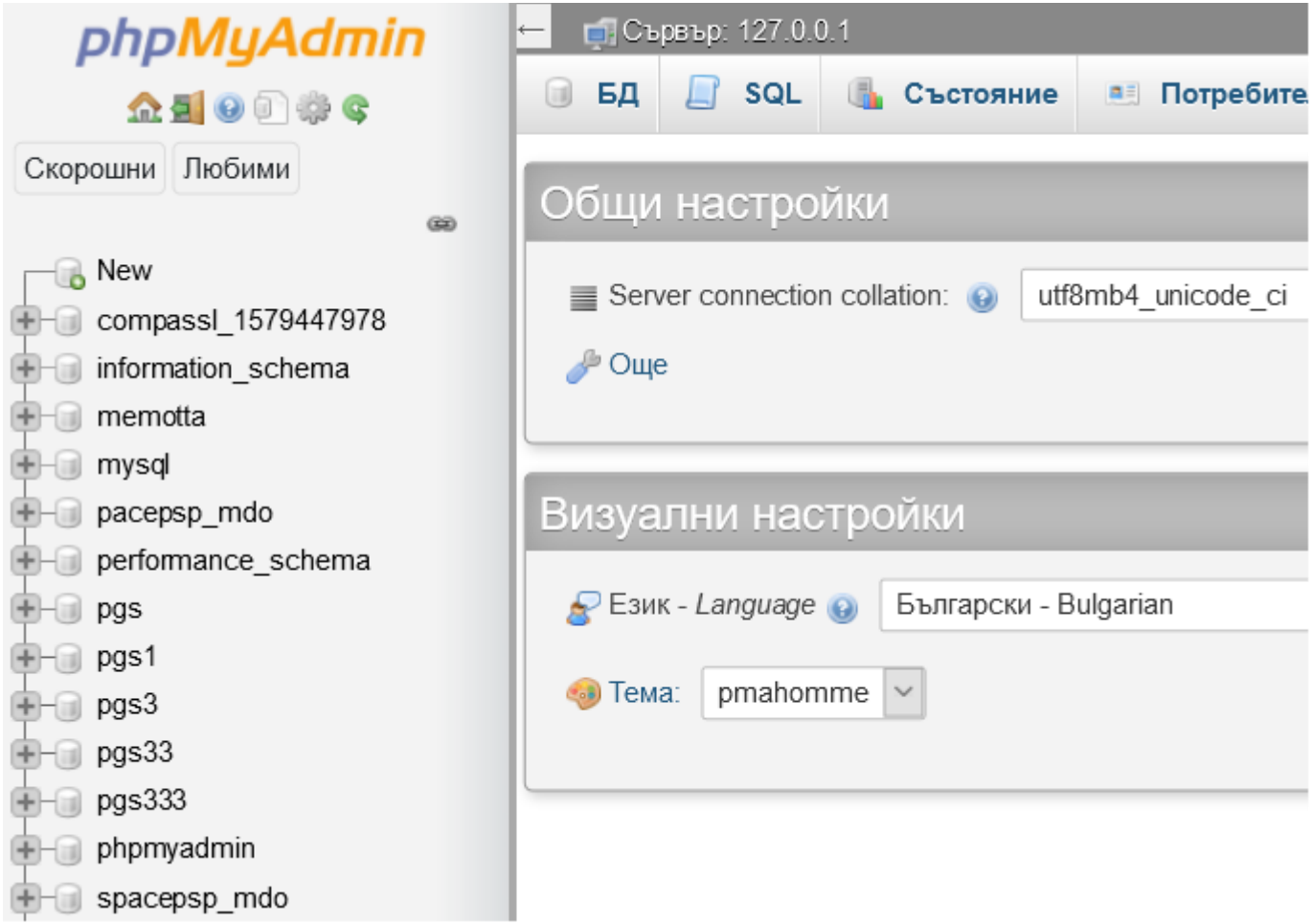
Working with phpMyAdmin

Start phMyAdmin

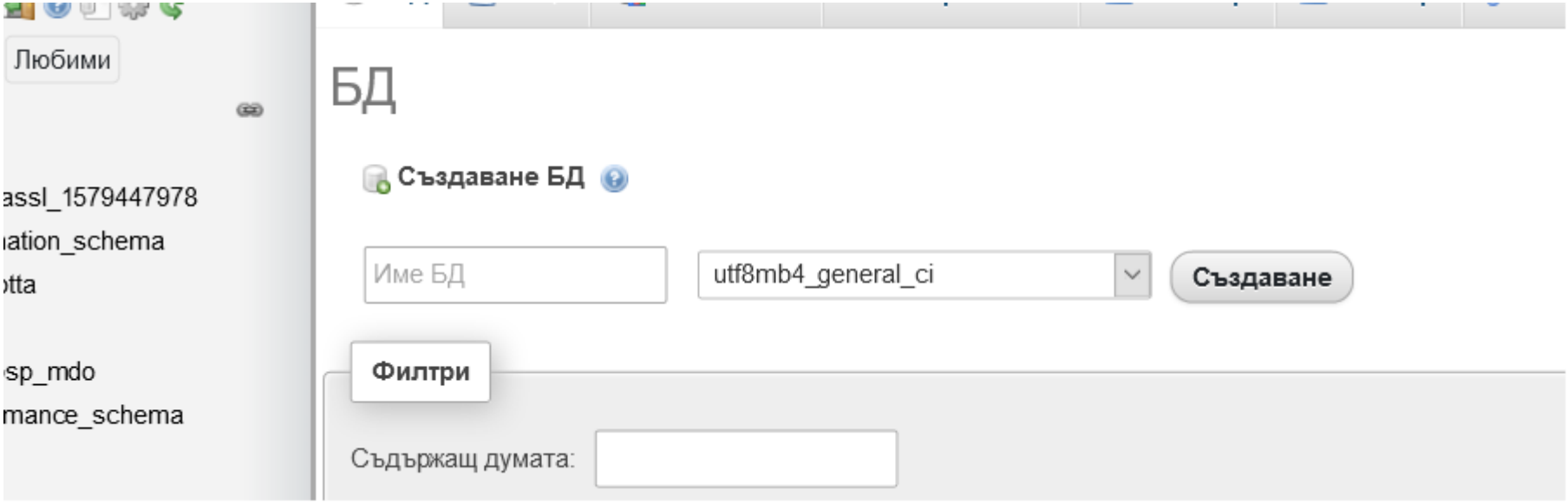
a. *Click **START** button in front of MySQL*
b. *After the MySQL process starts, click **ADMIN** button*



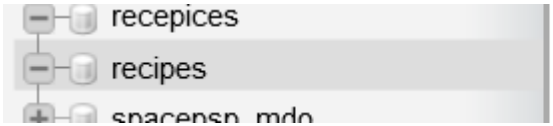
*To create a new database click **NEW***



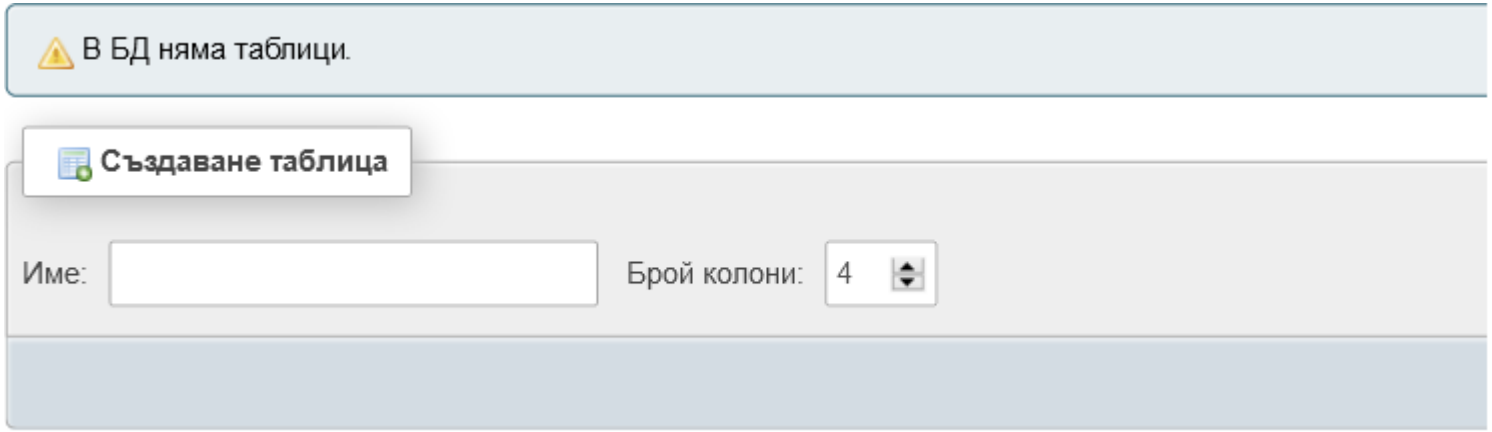
Enter the name of the new_database - snake_case, english words!



*The newly created database - recipes, appears in the column **on the left***

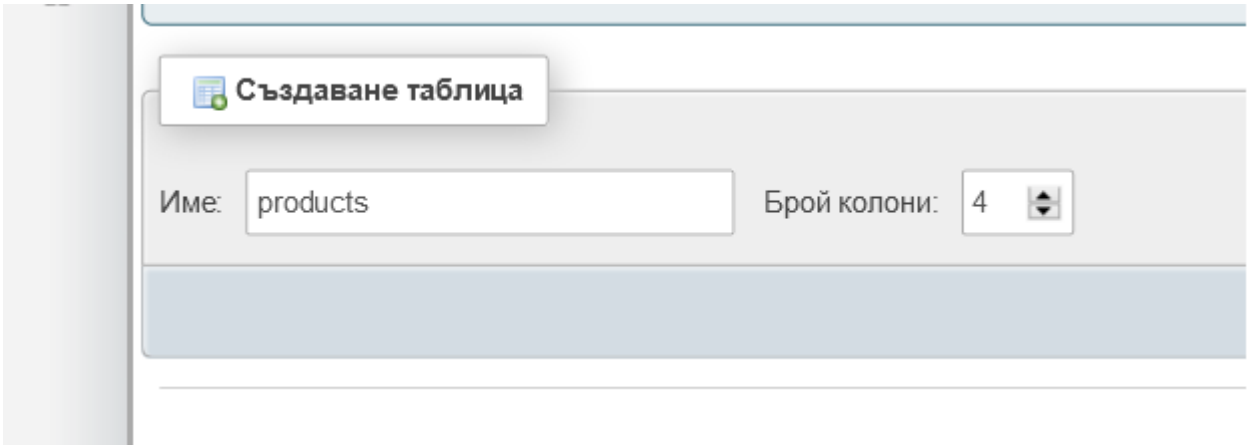


*Click on **the name** of the newly created database*



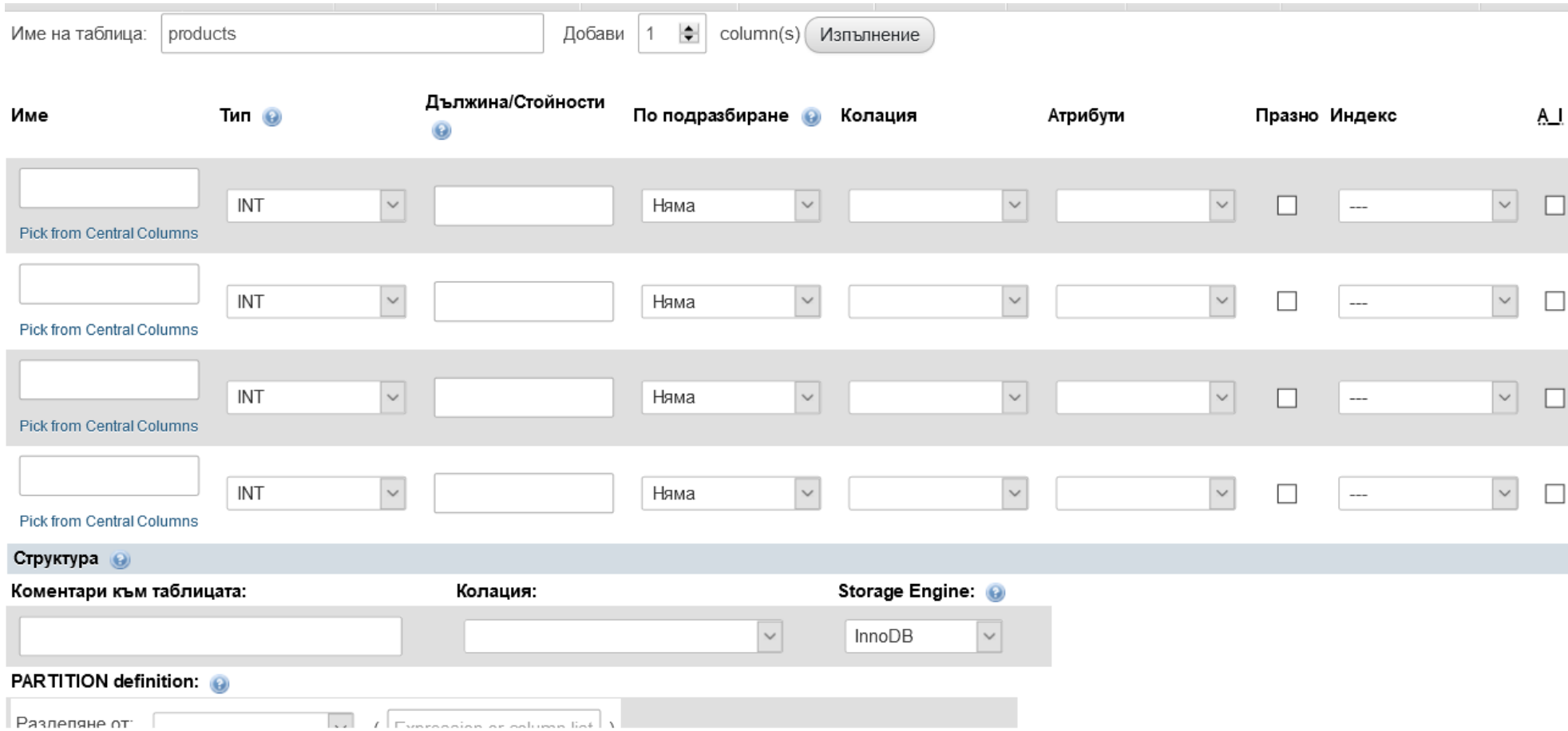
*The recipes database is still **empty**. You are ready to **create** recipes tables.*
*You can **add and edit** the database tables **now or later** if needed.*

*We can add the first table of The Recipes database design - the **products** table*



*You can set the **number of columns** in the table. You can increase/decrease the number of columns later if needed.*

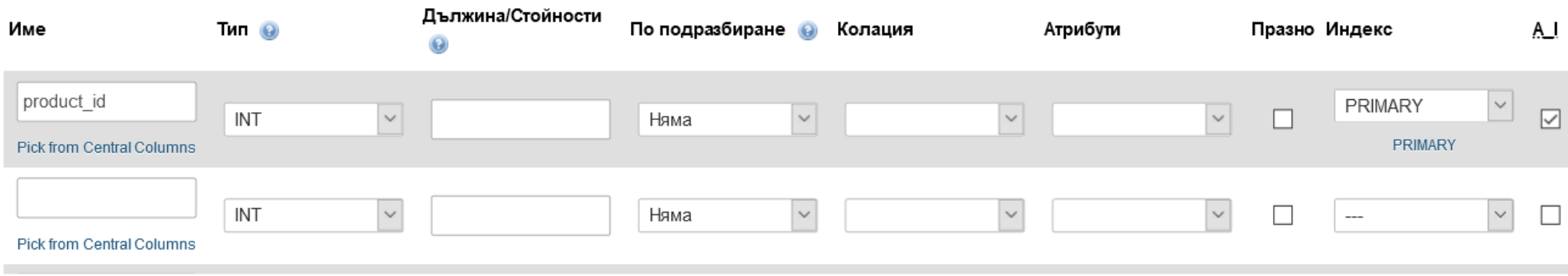
*After the first table is set, it is the time to set **the names and other attributes of the table's columns**.*



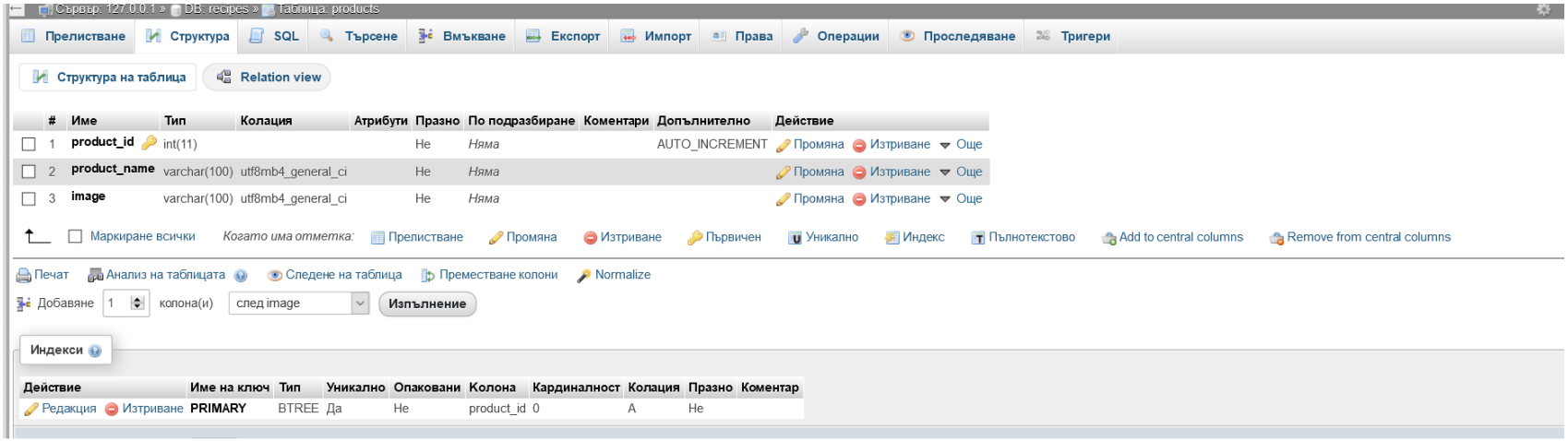
Always start with the first column - ***set it to be the table PRIMARY KEY*** *-*

c. ***set INDEX to be PRIMARY***

d. *check the column* ***AUTO INCREMENT*** */AI/*



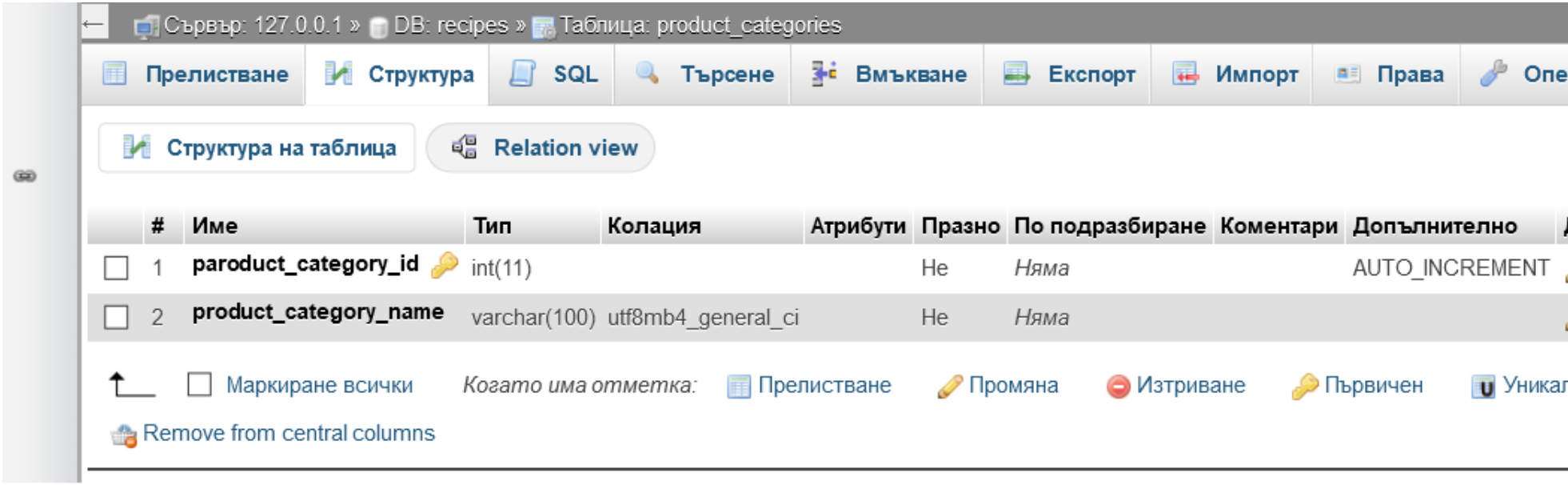
*After all columns` attributes have been filled in, you can see the newly created **table`s structure** in the **STRUCTURE** tab.*



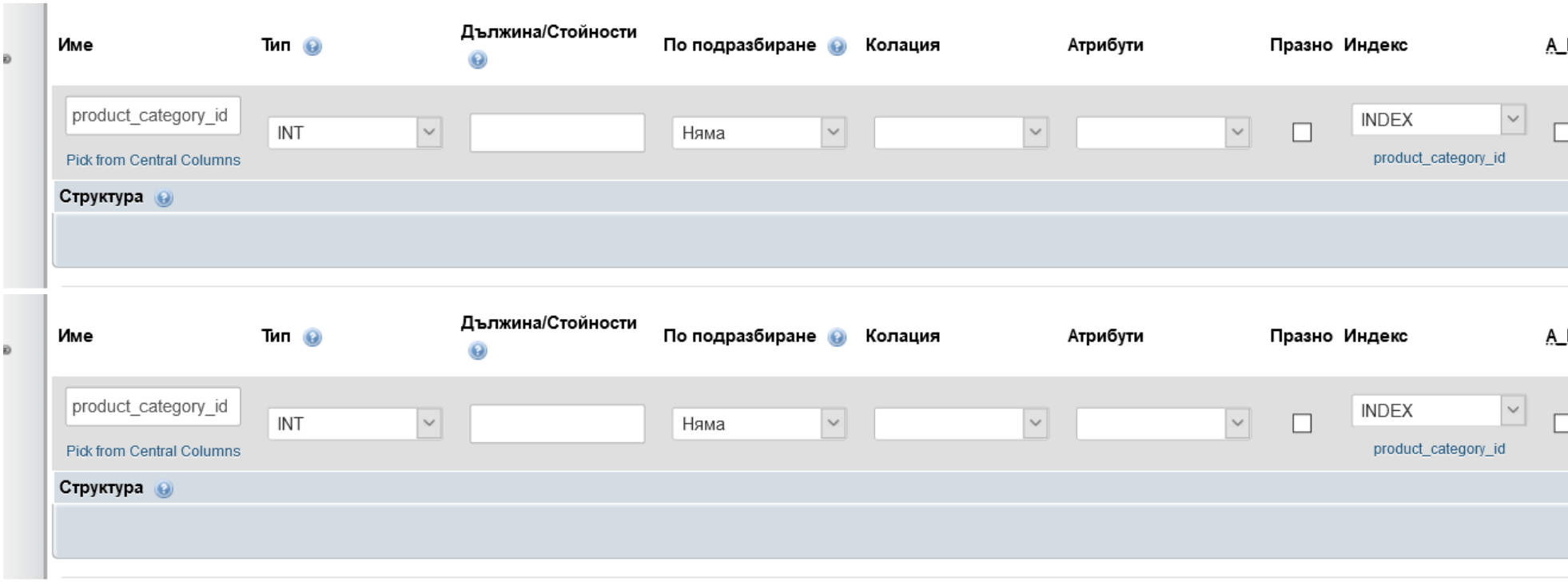
*From this tab you can **view or edit** table`s columns.*

*In the column **on the left** of the screen after you click the **+sign** in front of the database name - you can see the list of existing tables in the database.*

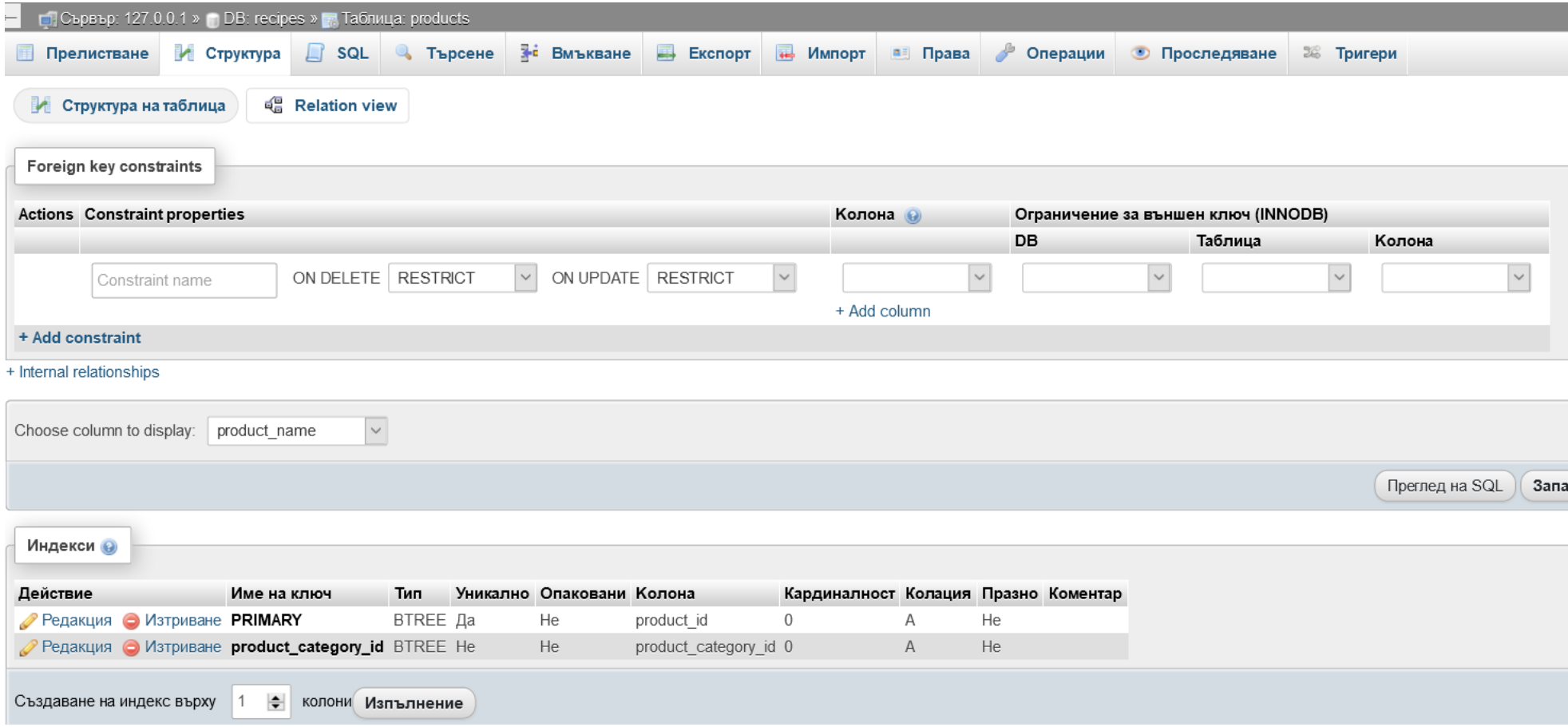
*Let's create a second table - **product_categories***



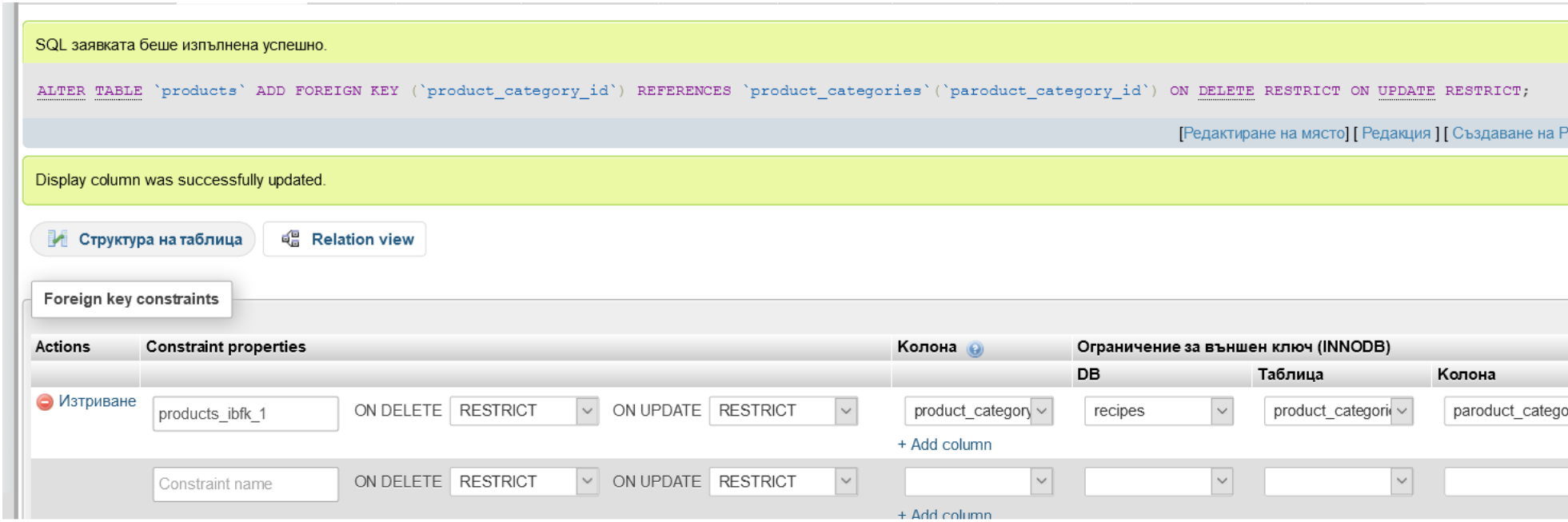
*In order **to connect the two tables** - in the recipes design the two tables are related via the product_category_id column, which presents in the both tables - we have to add such a column in the products table and to set it an index for faster querying.*



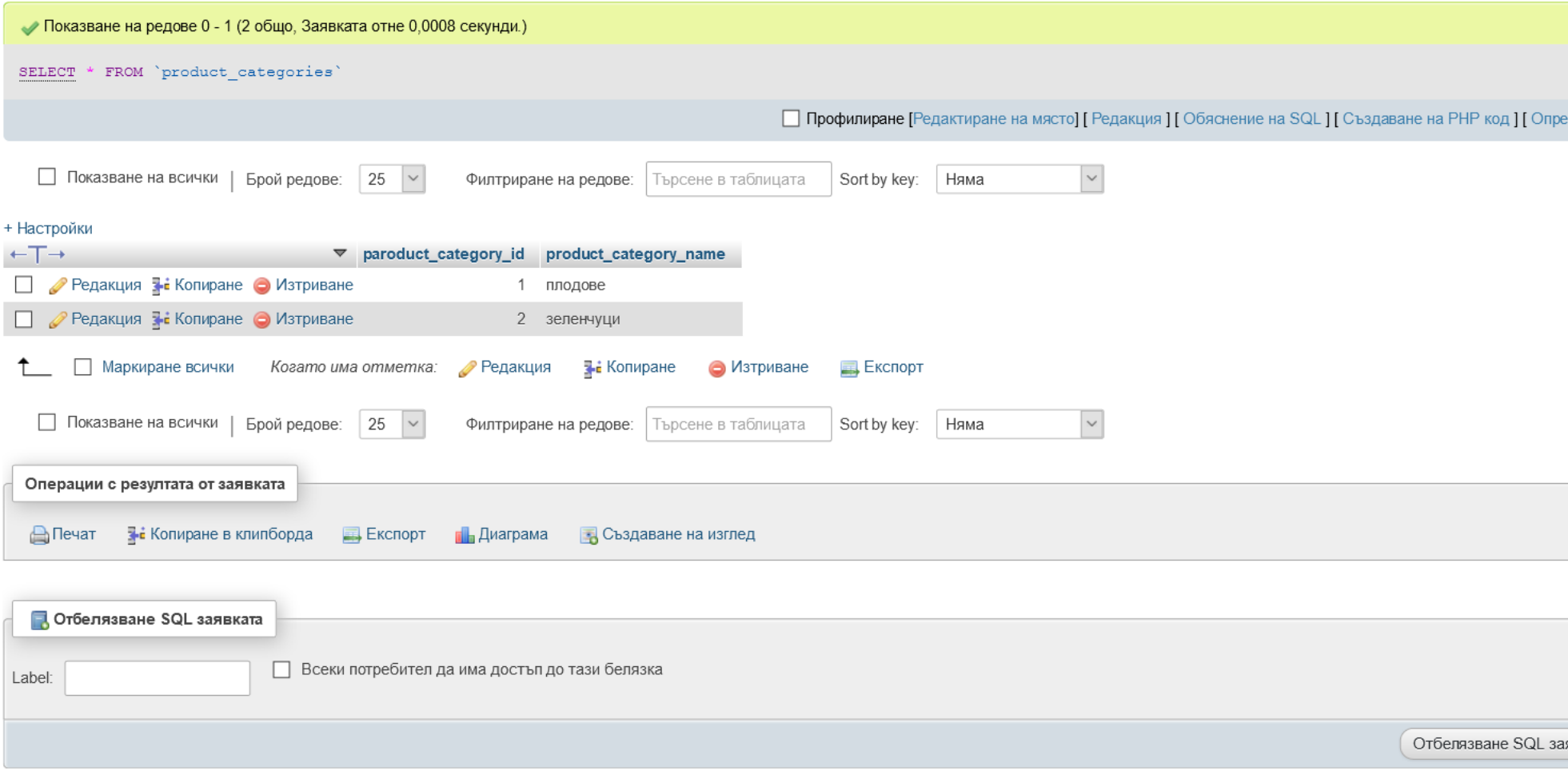
*The product_category_id column in the product table is a **FOREIGN KEY /FK/** and we have to set the foreign key constraint for the related tables.*

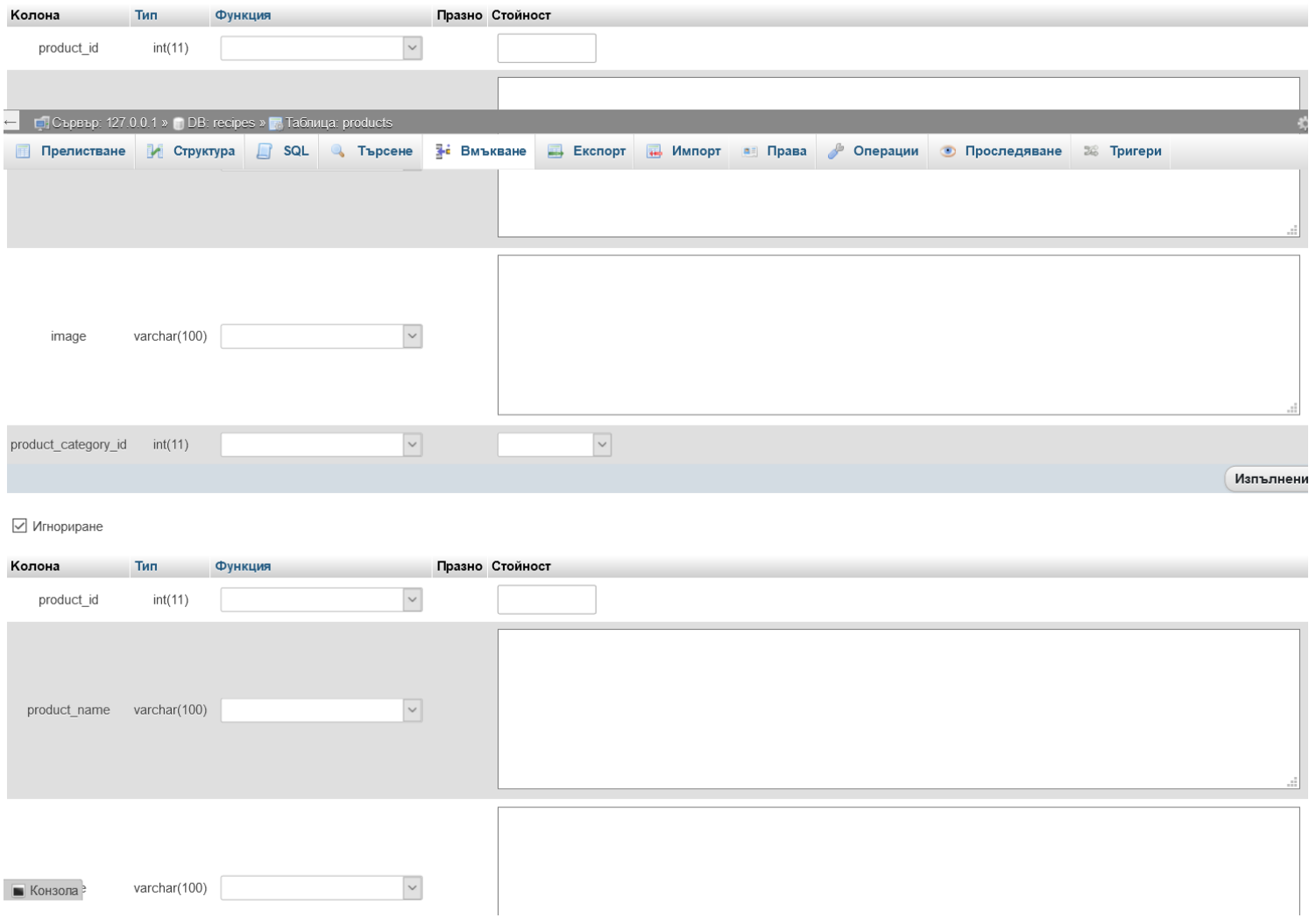


*We can insert manually data in the database tables from the **INSERT** tab.*



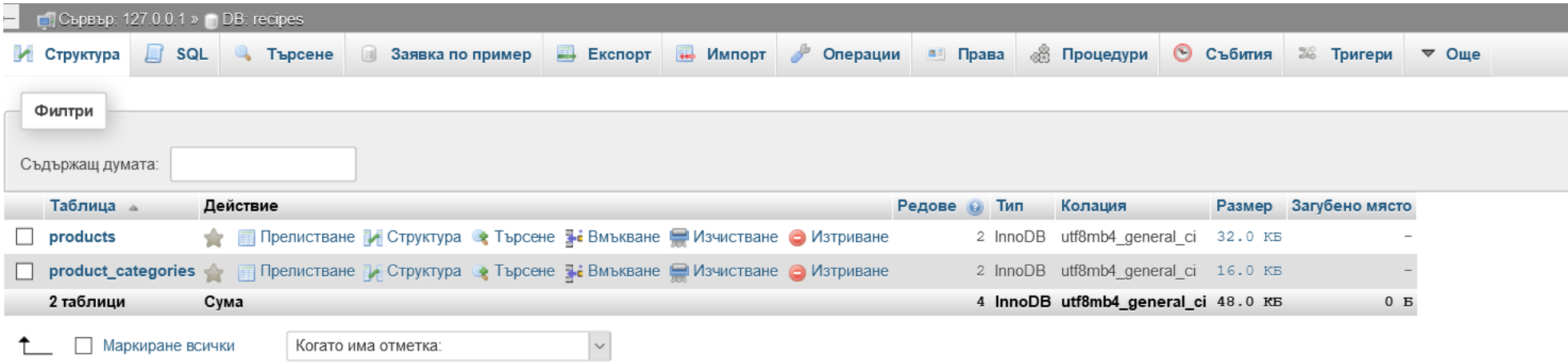
*From the **VIEW** tab you can see the data you`ve entered. You can change the data if you need to.*



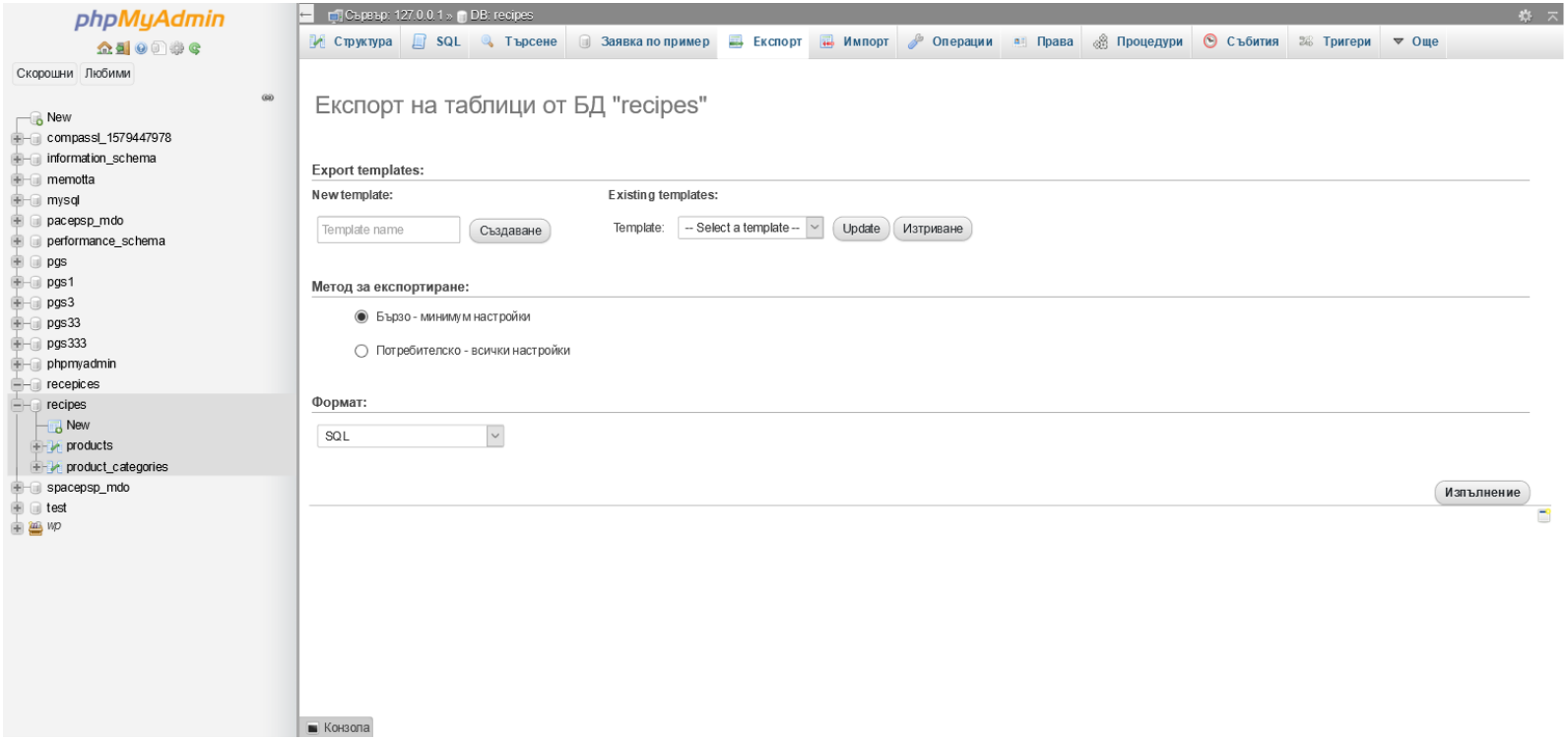


*From the **STRUCTURE** tab of the database you can see the list of existing tables.*

*You can **delete** a table from here if you have to.*



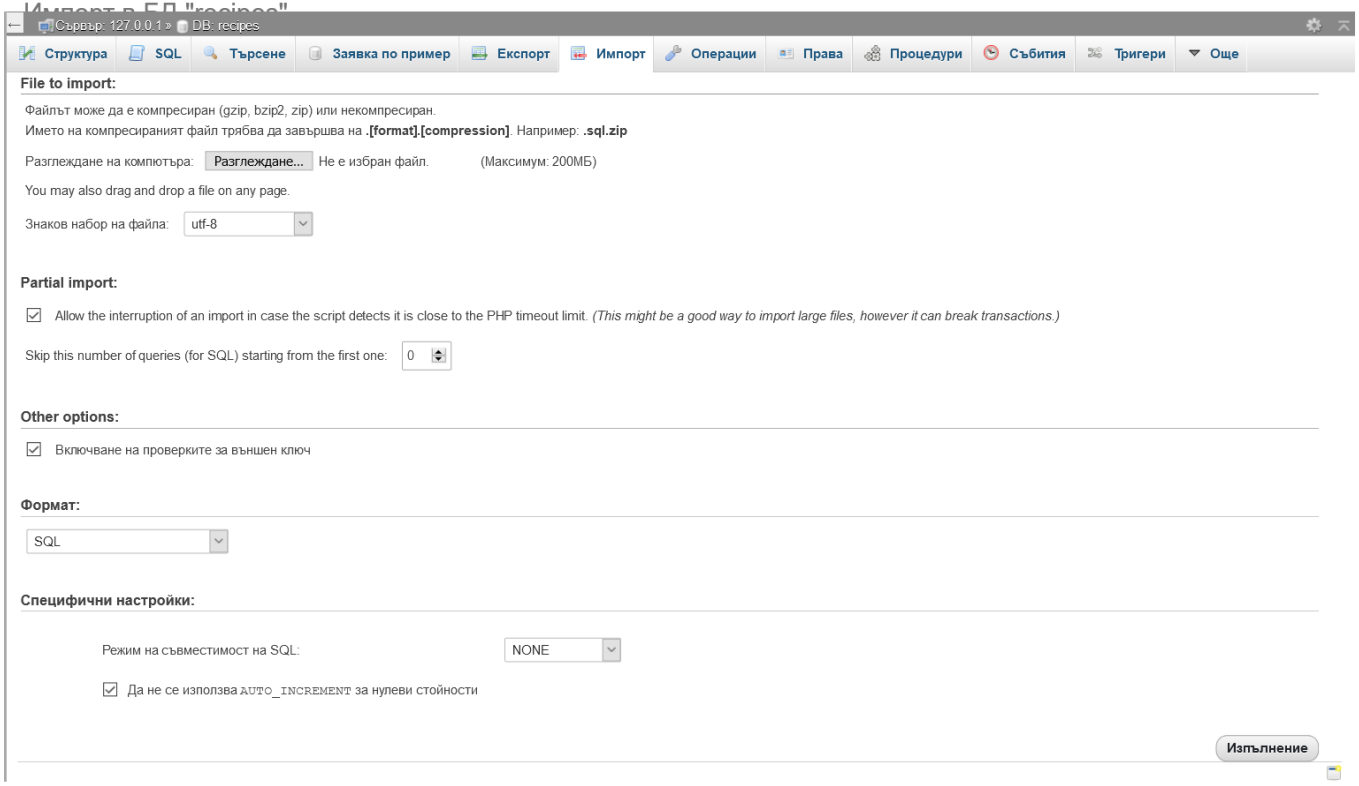
*To export an existing database from phpMyAdmin - click on tha **database name** you are going to export, then go to **EXPORT** tab. You will see a title - **EXPORTING TABLES FROM DATABASE RECIPES***



*To export **a table** from the database - click on **table name** and go to **EXPORT** tab.*

*You should see a title **EXPORTING ROWS FROM TABLE TABLE_NAME***

*To import a **.sql** file containing an exported database or table - go to **IMPORT** tab of an **EXISTING DATABASE**!*

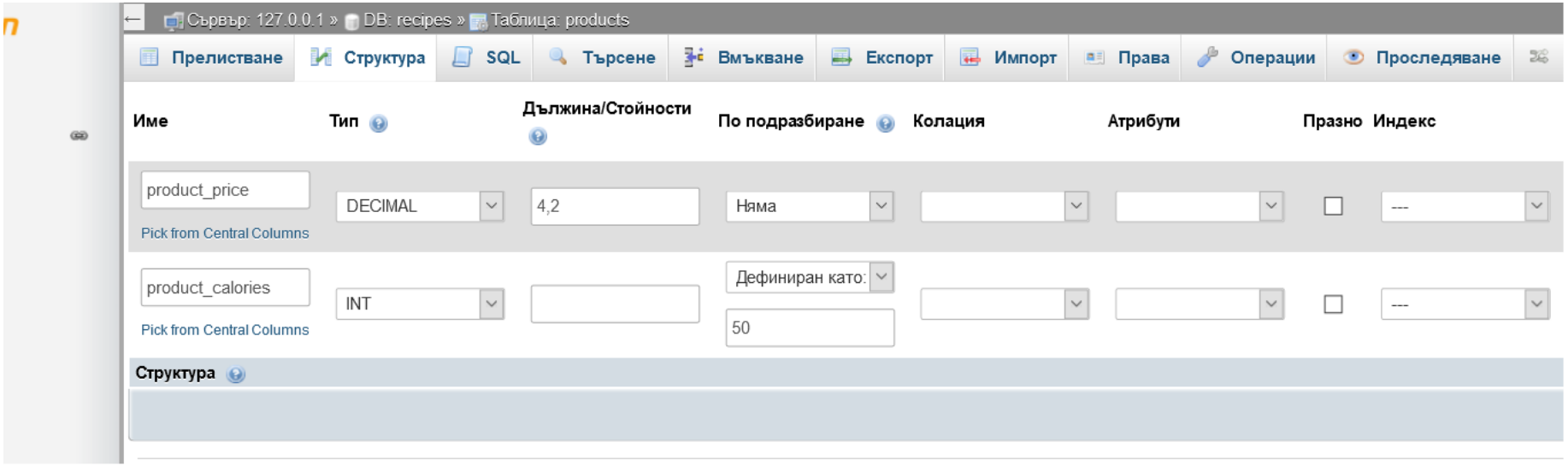


Be careful not to import already existing tables in the database!

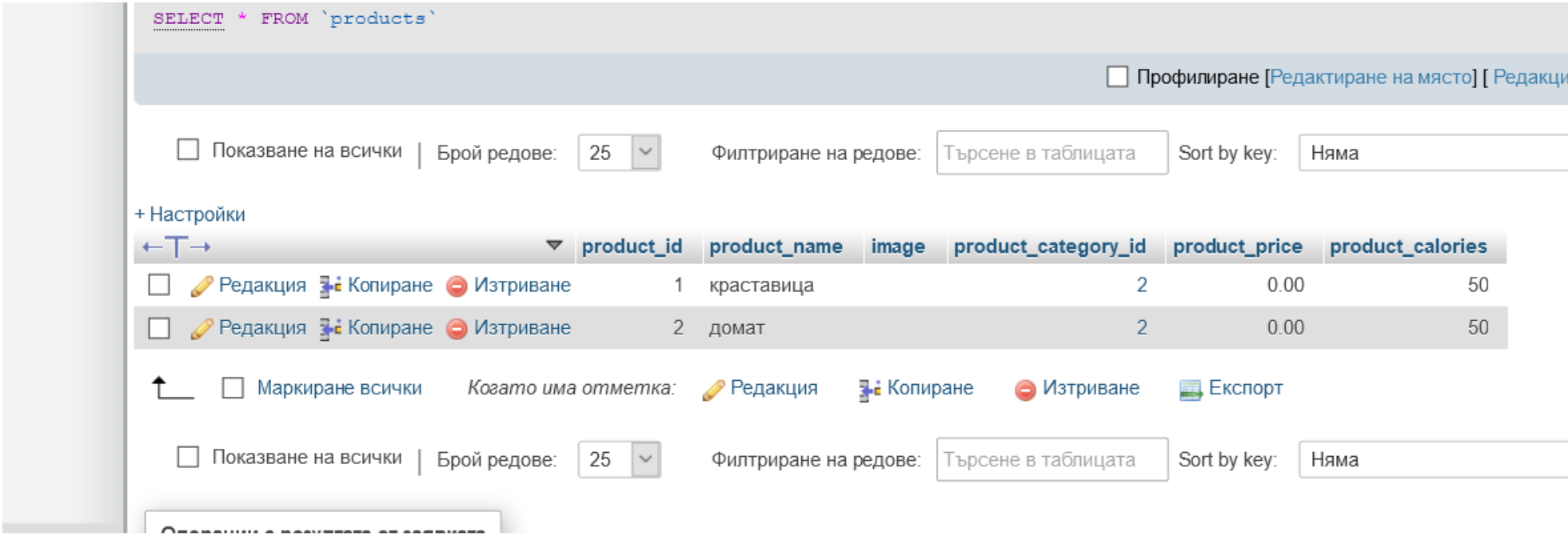
*To **import a database** - **create empty database.***
*To **import a table** - check if table with the **same name exists** - **delete** the table and import the desired table from a file.*

*Let's **add new columns** to the products table.*
*Price table will store data of **decimal type**.*

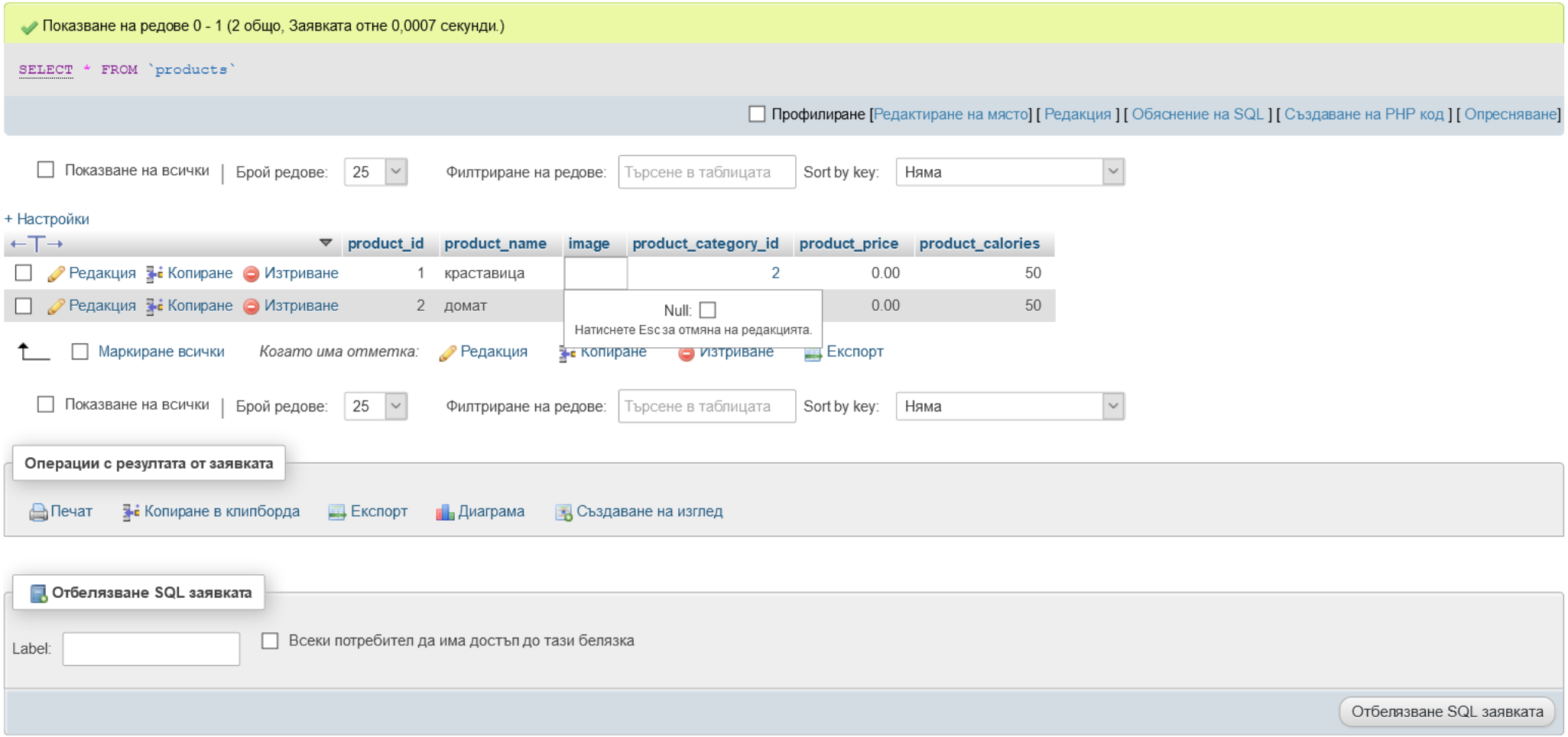
*Product_calories column will have a **default value of 50** /when we expect a value not to be required from the user when filling out a form, it is a good idea to set a default value - predefined, or NULL/*



The default values can be set later, though you should try to develop the final design of the database as much as you can.



*If you`ve changed the column to have a **default value** - **do not forget to change the empty value** to the desired default column value.*



***A view of a table** in a database in phpMyAdmin - here you can view the **data type** expected to be stored in each columns, default values if present, th PK, FK, indexes.*

	#	Име	Тип	Колация	Атрибути	Празно	По подразбиране	Коментари	Допълнително	Действие
☐	1	**product_id**	int(11)			Не	*Няма*		AUTO_INCREMENT	Промяна Изтриване
☐	2	**product_name**	varchar(100)	utf8mb4_general_ci		Не	*Няма*			Промяна Изтриване
☐	3	**image**	varchar(100)	utf8mb4_general_ci		Не	*Няма*			Промяна Изтриване
☐	4	**product_category_id**	int(11)			Не	*Няма*			Промяна Изтриване
☐	5	**product_price**	decimal(4,2)			Не	*Няма*			Промяна Изтриване

Показване на редове 0 - 1 (2 общо, Заявката отне 0,0007 секунди.)

```
SELECT * FROM `products`
```

Профилиране [Редактиране на място] [Редакция] [Обяснение на SQL] [Създаване на PHP код] [Опре

```
UPDATE `products` SET `image` = NULL WHERE `products`.`product_id` = 2;
```

[Редактиране на място] [Редакция] [Създаване на

Показване на всички | Брой редове: 25 Филтриране на редове: Търсене в таблицата Sort by key: Няма

+ Настройки

	product_id	product_name	image	product_category_id	product_price	product_calories
Редакция Копиране Изтриване	1	краставица	NULL	2	0.00	50
Редакция Копиране Изтриване	2	домат	NULL	2	0.00	50

Маркиране всички *Когато има отметка:* Редакция Копиране Изтриване Експорт

Показване на всички | Брой редове: 25 Филтриране на редове: Търсене в таблицата Sort by key: Няма

Операции с резултата от заявката

Печат Копиране в клипборда Експорт Диаграма Създаване на изглед

Отбелязване SQL заявката

Label: Всеки потребител да има достъп до тази белязка

Отбелязване SQL за

Конзола