

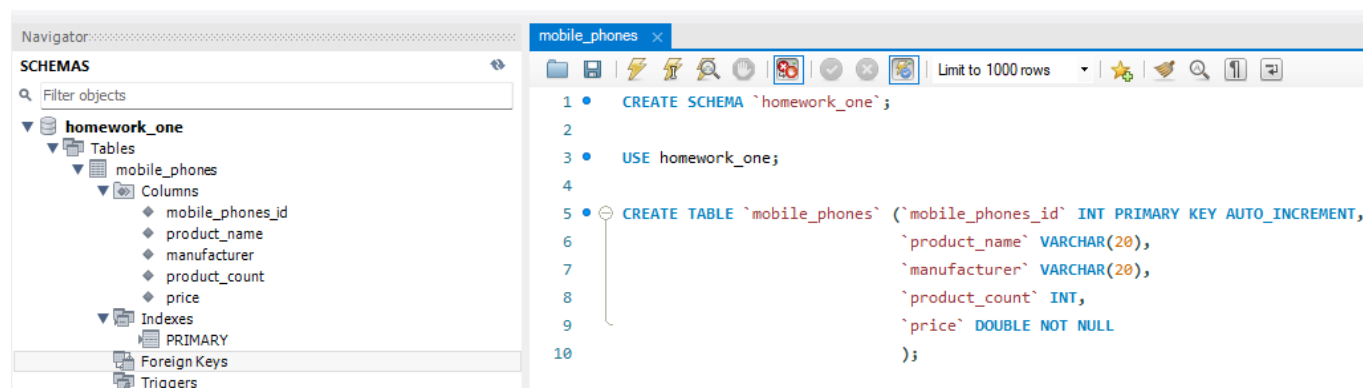
1. Создайте таблицу с мобильными телефонами (mobile_phones), используя графический интерфейс. Заполните БД данными. Добавьте скриншот на платформу в качестве ответа на ДЗ.

```
CREATE SCHEMA `homework_one`;
```

```
USE homework_one;
```

```
CREATE TABLE `mobile_phones` (`mobile_phones_id` INT PRIMARY KEY AUTO_INCREMENT,  
                                `product_name` VARCHAR(20),  
                                `manufacturer` VARCHAR(20),  
                                `product_count` INT,  
                                `price` DOUBLE NOT NULL  
                                );
```

```
INSERT INTO `mobile_phones` (`product_name`, `manufacturer`, `product_count`, `price`)  
VALUES ('iPhone X', 'Apple', '3', '76000'),  
      ('iPhone 8', 'Apple', '2', '51000'),  
      ('Galaxy S9', 'Samsung', '2', '56000'),  
      ('Galaxy S8', 'Samsung', '1', '41000'),  
      ('P20 Pro', 'Huawei', '5', '36000');
```

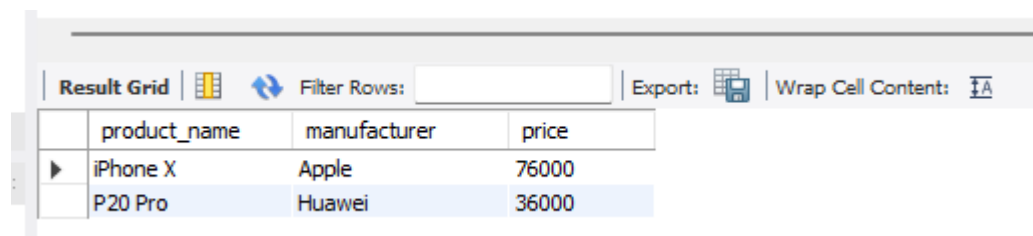


The screenshot shows the 'Result Grid' of the database management tool. It displays the data inserted into the 'mobile_phones' table. The table has 6 columns: 'mobile_phones_id', 'product_name', 'manufacturer', 'product_count', and 'price'. The data is as follows:

mobile_phones_id	product_name	manufacturer	product_count	price
1	iPhone X	Apple	3	76000
2	iPhone 8	Apple	2	51000
3	Galaxy S9	Samsung	2	56000
4	Galaxy S8	Samsung	1	41000
5	P20 Pro	Huawei	5	36000
NULL	NULL	NULL	NULL	NULL

2. Выведите название, производителя и цену для товаров, количество которых превышает 2.

```
SELECT product_name, manufacturer, price  
FROM mobile_phones  
WHERE product_count > 2;
```

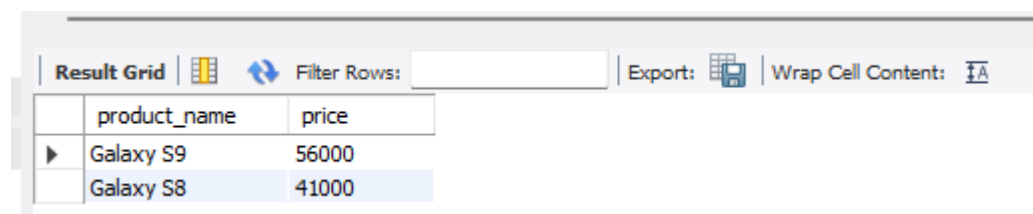


The screenshot shows a database interface with a 'Result Grid' tab. The grid contains two rows of data. The first row is highlighted with a blue background. The second row is also highlighted with a blue background. The columns are labeled 'product_name', 'manufacturer', and 'price'.

	product_name	manufacturer	price
▶	iPhone X	Apple	76000
	P20 Pro	Huawei	36000

3. Выведите весь ассортимент товаров марки "Samsung".

```
SELECT product_name, price  
FROM mobile_phones  
WHERE manufacturer = 'Samsung';
```



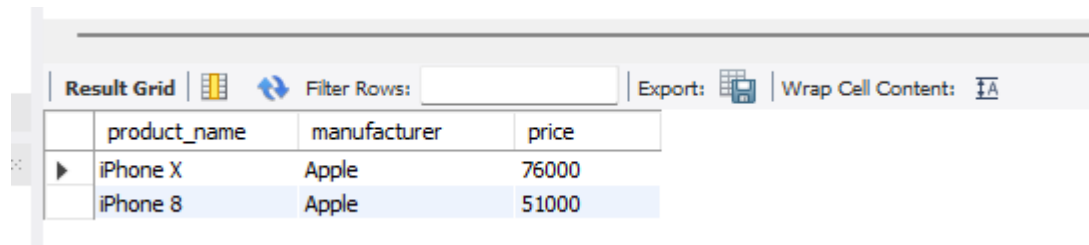
The screenshot shows a database interface with a 'Result Grid' tab. The grid contains two rows of data. The first row is highlighted with a blue background. The second row is also highlighted with a blue background. The columns are labeled 'product_name' and 'price'.

	product_name	price
▶	Galaxy S9	56000
	Galaxy S8	41000

4. С помощью регулярных выражений найти:

4.1. Товары, в которых есть упоминание "Iphone"

```
SELECT product_name, manufacturer, price  
FROM mobile_phones  
WHERE product_name like '%iphone%';
```

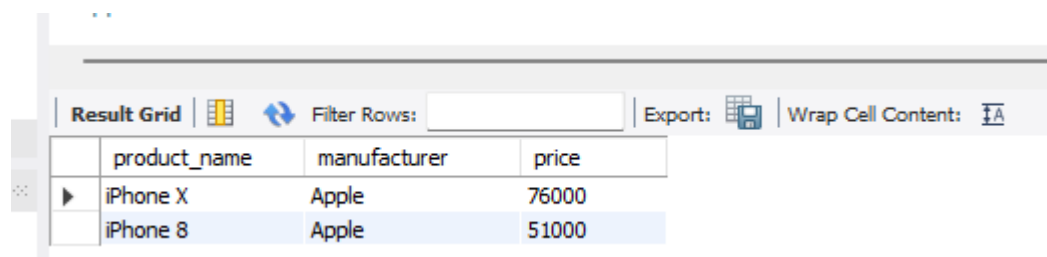


The screenshot shows a database interface with a 'Result Grid' tab. The grid displays the results of a SQL query. The columns are 'product_name', 'manufacturer', and 'price'. There are two rows of data: 'iPhone X' from 'Apple' with a price of 76000, and 'iPhone 8' from 'Apple' with a price of 51000. The 'iPhone 8' row is highlighted in blue. The interface also includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox.

	product_name	manufacturer	price
▶	iPhone X	Apple	76000
	iPhone 8	Apple	51000

или

```
SELECT product_name, manufacturer, price  
FROM mobile_phones  
WHERE product_name like '%iphone%' ||  
       manufacturer like '%iphone%';
```

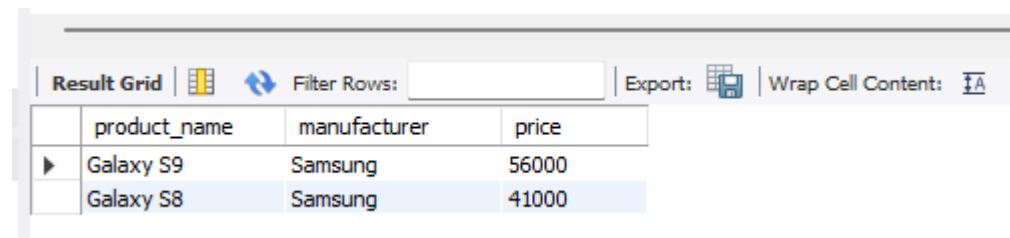


The screenshot shows a database interface with a 'Result Grid' tab. The grid displays the results of a SQL query. The columns are 'product_name', 'manufacturer', and 'price'. There are two rows of data: 'iPhone X' from 'Apple' with a price of 76000, and 'iPhone 8' from 'Apple' with a price of 51000. The 'iPhone 8' row is highlighted in blue. The interface also includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox.

	product_name	manufacturer	price
▶	iPhone X	Apple	76000
	iPhone 8	Apple	51000

4.2. Товары, в которых есть упоминание "Samsung"

```
SELECT product_name, manufacturer, price  
FROM mobile_phones  
WHERE manufacturer like '%samsung%';
```

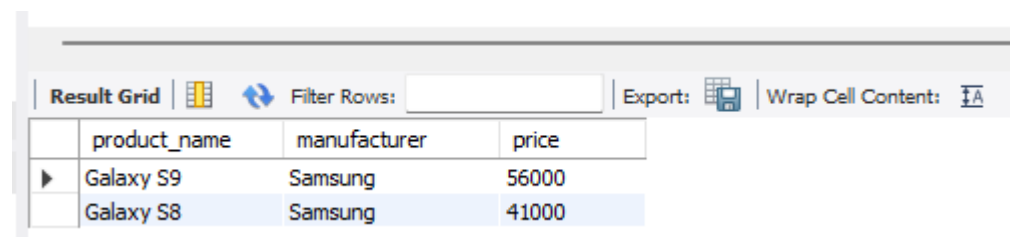


The screenshot shows a database interface with a 'Result Grid' tab. It includes a 'Filter Rows' search bar, an 'Export' button, and a 'Wrap Cell Content' toggle. The table below displays the results of the query.

	product_name	manufacturer	price
▶	Galaxy S9	Samsung	56000
	Galaxy S8	Samsung	41000

или

```
SELECT product_name, manufacturer, price  
FROM mobile_phones  
WHERE product_name like '%samsung%' ||  
       manufacturer like '%samsung%';
```

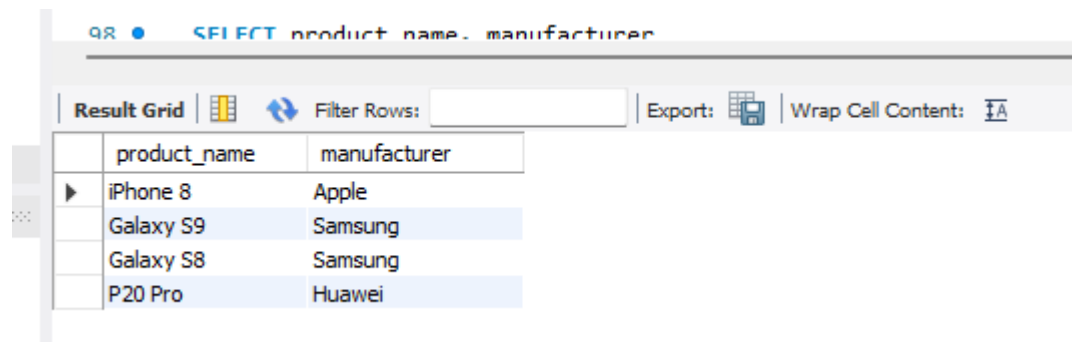


The screenshot shows a database interface with a 'Result Grid' tab. It includes a 'Filter Rows' search bar, an 'Export' button, and a 'Wrap Cell Content' toggle. The table below displays the results of the query.


	product_name	manufacturer	price
▶	Galaxy S9	Samsung	56000
	Galaxy S8	Samsung	41000

4.3. Товары, в полях которых product_name и manufacturer есть ЦИФРЫ. Смысла смотреть другие поля нет.

```
SELECT product_name, manufacturer
FROM mobile_phones
WHERE product_name RLIKE '[0-9]' OR
      manufacturer RLIKE '[0-9]';
```



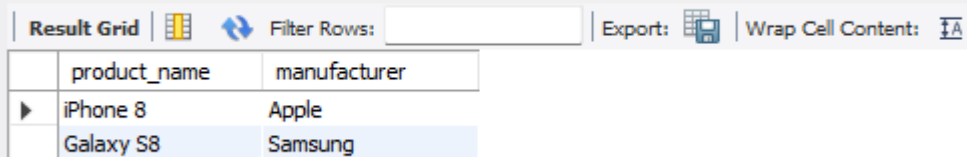
98 • SELECT product_name, manufacturer

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 

	product_name	manufacturer
▶	iPhone 8	Apple
	Galaxy S9	Samsung
	Galaxy S8	Samsung
	P20 Pro	Huawei

4.4. Товары, в полях которых product_name и manufacturer которых есть ЦИФРА "8". Смысла смотреть другие поля нет .

```
SELECT product_name, manufacturer  
FROM mobile_phones  
WHERE product_name LIKE '%8%' OR  
       manufacturer LIKE '%8%';
```



The screenshot shows a database query result grid. At the top, there is a toolbar with the following elements: 'Result Grid' (selected), a grid icon, a refresh icon, 'Filter Rows:' with an empty text box, 'Export:' with a document icon, and 'Wrap Cell Content:' with a text wrap icon. Below the toolbar is a table with two columns: 'product_name' and 'manufacturer'. The table contains two rows of data. The first row is 'iPhone 8' by 'Apple'. The second row is 'Galaxy S8' by 'Samsung'.

	product_name	manufacturer
▶	iPhone 8	Apple
	Galaxy S8	Samsung