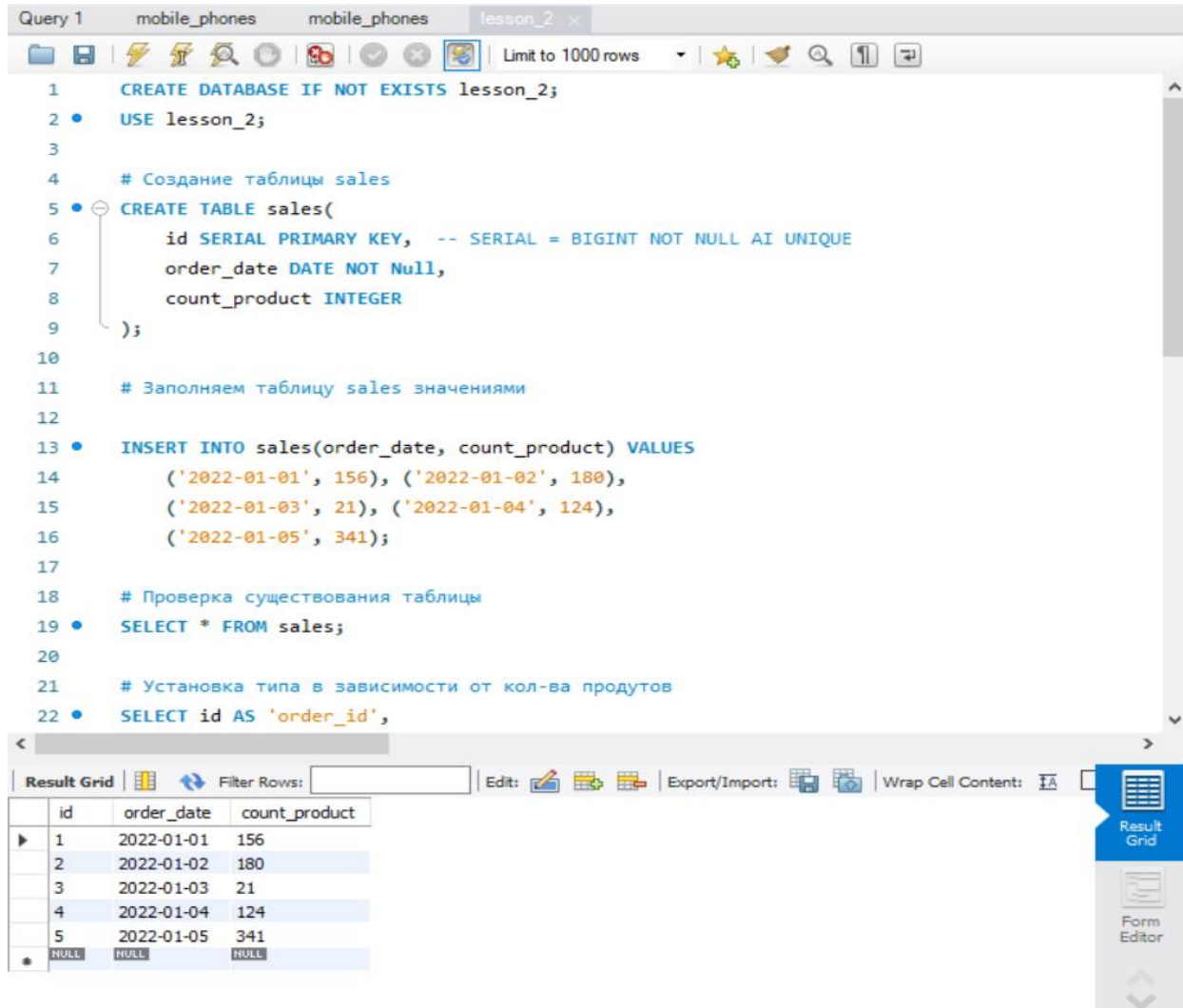


# Домашняя работа 2

1. Используя операторы языка SQL, создайте таблицу “sales”.  
Заполните ее данными.



```
1 CREATE DATABASE IF NOT EXISTS lesson_2;
2 USE lesson_2;
3
4 # Создание таблицы sales
5 CREATE TABLE sales(
6     id SERIAL PRIMARY KEY, -- SERIAL = BIGINT NOT NULL AI UNIQUE
7     order_date DATE NOT Null,
8     count_product INTEGER
9 );
10
11 # Заполняем таблицу sales значениями
12
13 INSERT INTO sales(order_date, count_product) VALUES
14     ('2022-01-01', 156), ('2022-01-02', 180),
15     ('2022-01-03', 21), ('2022-01-04', 124),
16     ('2022-01-05', 341);
17
18 # Проверка существования таблицы
19 SELECT * FROM sales;
20
21 # Установка типа в зависимости от кол-ва продуктов
22 SELECT id AS 'order_id',
```

Result Grid

	id	order_date	count_product
▶	1	2022-01-01	156
	2	2022-01-02	180
	3	2022-01-03	21
	4	2022-01-04	124
	5	2022-01-05	341
*	NULL	NULL	NULL

2. Для данных таблицы “sales” укажите тип заказа в зависимости от кол-ва :

```
# Установка типа в зависимости от кол-ва продуктов
• SELECT id AS 'order_id',
    CASE
        WHEN count_product < 100 THEN 'Small order'
        WHEN count_product BETWEEN 100 AND 300 THEN 'Common order'
        WHEN count_product > 300 THEN 'Big order'
    END AS 'order_type'
FROM sales;
```

### 3. Создайте таблицу “orders”, заполните ее значениями

```
30 # Создание таблицы orders
31 CREATE TABLE orders (
32     id SERIAL PRIMARY KEY,
33     employee_id VARCHAR(3),
34     amount DECIMAL(5, 2),
35     order_status VARCHAR(10)
36 );
37 INSERT INTO orders (employee_id, amount, order_status) VALUES
38     ('e03', 15.00, 'OPEN'), ('e01', 25.50, 'OPEN'),
39     ('e05', 100.70, 'CLOSED'), ('e02', 22.18, 'OPEN'),
40     ('e04', 9.50, 'CANCELLED');
41
42 # Проверка существования таблицы orders
43 SELECT * FROM orders;
```

Result Grid

	id	employee_id	amount	order_status
▶	1	e03	15.00	OPEN
	2	e01	25.50	OPEN
	3	e05	100.70	CLOSED
	4	e02	22.18	OPEN
	5	e04	9.50	CANCELLED
*	NULL	NULL	NULL	NULL

orders 7 x Apply Revert

### 4. Выберите все заказы. В зависимости от поля order\_status выведите столбец full\_order\_status: OPEN – «Order is in open state»; CLOSED - «Order is closed»; CANCELLED - «Order is cancelled»

```
44
45 # Вывод full_order_status:
46 SELECT id, employee_id,
47     CASE order_status
48         WHEN 'OPEN' THEN 'Order is in open state'
49         WHEN 'CLOSED' THEN 'Order is closed'
50         WHEN 'CANCELLED' THEN 'Order is cancelled'
51     END AS 'full_order_status'
52 FROM orders;
```

Result Grid

	id	employee_id	full_order_status
▶	1	e03	Order is in open state
	2	e01	Order is in open state
	3	e05	Order is closed
	4	e02	Order is in open state
	5	e04	Order is cancelled

Result 8 x Read Only