



Создание базы данных

```
postgres=# CREATE DATABASE masterskaya;
CREATE DATABASE
```

```
postgres=# \c masterskaya
You are now connected to database "masterskaya" as user "postgres".
masterskaya=#
```

Создание таблицы

```
masterskaya=# CREATE TABLE client ( id SERIAL PRIMARY KEY, name TEXT NOT
  NULL, phone TEXT NOT NULL, email TEXT NOT NULL);
CREATE TABLE
```

```
masterskaya=# CREATE TABLE contractor ( id SERIAL PRIMARY KEY, name TEXT
  NOT NULL, email TEXT NOT NULL, phone TEXT NOT NULL, specialization TEXT
  NOT NULL);
CREATE TABLE
```

```
masterskaya=# CREATE TABLE type_of_work (id SERIAL PRIMARY KEY, name TEX
  T NOT NULL);
CREATE TABLE
```

```
masterskaya=# CREATE TABLE repair_order (id SERIAL PRIMARY KEY, client_i
  d INTEGER REFERENCES client(id) NOT NULL, contractor_id INTEGER REFERENC
  ES contractor(id) NOT NULL, type_of_work_id INTEGER REFERENCES type_of_w
  ork(id) NOT NULL, date_created DATE NOT NULL, date_completed DATE NOT NU
  LL, status TEXT NOT NULL, cost INTEGER NOT NULL);
CREATE TABLE
```

Создание последовательностей

```

masterskaya=# CREATE SEQUENCE seq_client_id START WITH 1 INCREMENT BY 1
NO MAXVALUE NO CYCLE;
CREATE SEQUENCE
masterskaya=# CREATE SEQUENCE seq_contractor_id START WITH 1 INCREMENT B
Y 1 NO MAXVALUE NO CYCLE;
CREATE SEQUENCE
masterskaya=# CREATE SEQUENCE seq_repair_order_id START WITH 1 INCREMENT
BY 1 NO MAXVALUE NO CYCLE;
CREATE SEQUENCE
masterskaya=# CREATE SEQUENCE seq_type_of_work_id START WITH 1 INCREMENT
BY 1 NO MAXVALUE NO CYCLE;
CREATE SEQUENCE
masterskaya=#

```

Вывод последовательностей и таблицы

```

masterskaya=# \d

```

Schema	Name	Type	Owner
public	client	table	postgres
public	client_id_seq	sequence	postgres
public	contractor	table	postgres
public	contractor_id_seq	sequence	postgres
public	repair_order	table	postgres
public	repair_order_id_seq	sequence	postgres
public	seq_client_id	sequence	postgres
public	seq_contractor_id	sequence	postgres
public	seq_repair_order_id	sequence	postgres
public	seq_type_of_work_id	sequence	postgres
public	type_of_work	table	postgres
public	type_of_work_id_seq	sequence	postgres

```

(12 rows)

masterskaya=#

```

Заполнение таблицы

```

masterskaya=# INSERT INTO contractor (name,email,phone,specialization) V
ALUES
('Ivan Ivanov', 'ivan@mail.ru','+7911442245','repair_computer'),
('Vladislav Katrichhev', 'Vladislav@mail.ru','+79114236234','repair_telep
hone'),
('Misha Mihailovich', 'Misha@mail.ru','+791180955634','unskilled_worker'
);
INSERT 0 3
masterskaya=#

```

```

masterskaya=# INSERT INTO client (name,phone,email) VALUES
('Veronika Petrovna', '+79205642296', 'veronika1243@gmail.com'), ('Sve
tlana Pavlovna', '+7920636881', 'svetlana12521@mail.ru'),
('Danil Nikitovich', '+79204356633', 'danilian@mail.ru');
INSERT 0 3

```

```

masterskaya=# INSERT INTO type_of_work (name) VALUES
('laptop_repair'),
('computer_repair'),
('telephone_repair');
INSERT 0 3

```

```

masterskaya=# INSERT INTO repair_order (contractor_id, client_id, type_of_work_id
, date_created, date_completed, status, cost, name ) VALUES
(1,1,1,'2022-11-20 12:00','2022-12-2- 10:00', 'at work', '1000', 'Repair Honor l
aptot'),
(1,2,3,'2022-10-10 12:00','2022-10-20 10:00', 'at work', '500', 'Repair Xiaomi T
elephone'),
(3,3,2,'2022-8-10 12:00','2022-8-30 10:00', 'completed', '2500', 'Repair Gamer C
omputer'),
(1,2,2,'2022-8-20 12:00','2022-8-30 10:00', 'completed', '1000', 'Repair office
Computer');
INSERT 0 4
masterskaya=#

```

Вывод заполненной таблицы с помощью оператора SELECT * FROM название_таблицы.

```

masterskaya=# select * from client;
 id | name          | phone          | email
-----+-----+-----+-----
  1 | Veronika Petrovna | +79205642296 | veronika1243@gmail.com
  2 | Svetlana Pavlovna | +7920636881  | svetlana12521@mail.ru
  3 | Danil Nikitovich  | +79204356633 | danilian@mail.ru
(3 rows)

masterskaya=#

```

```

masterskaya=# select * from contractor;
 id | name           | email           | phone          | specialization
-----+-----+-----+-----+-----
  1 | Ivan Ivanov    | ivan@mail.ru   | +7911442245   | repair_computer
  2 | Vladislav Katrichhev | Vladislav@mail.ru | +79114236234 | repair_telephone
  3 | Misha Mihailovich | Misha@mail.ru  | +791180955634 | unskilled_worker
(3 rows)

masterskaya=#

```

```

masterskaya=# select * from type_of_work;
 id | name
-----+-----
  1 | laptop_repair
  2 | computer_repair
  3 | telephone_repair
(3 rows)

masterskaya=#

```

```

File Actions Edit View Help
 id | client_id | contractor_id | type_of_work_id | date_created | date_completed | status | cost | name
-----+-----+-----+-----+-----+-----+-----+-----+-----
  1 | 1 | 1 | 1 | 2022-11-20 | 2022-12-02 | at work | 1000 | Repair Honor laptot
  2 | 2 | 1 | 1 | 2022-10-10 | 2022-10-20 | at work | 500 | Repair Xiaomi Telephone
  3 | 3 | 3 | 2 | 2022-08-10 | 2022-08-30 | completed | 2500 | Repair Gamer Computer
  4 | 2 | 1 | 2 | 2022-08-20 | 2022-08-30 | completed | 1000 | Repair office Computer
(4 rows)

```