

Добавление и удаление столбца в таблицу

```
garage=# select * from auto
```

```
garage=# ;
```

id	brand	model	year_of_manuf	color	license_plate	id_owner
1	BMW	X5	2020	White	O00000	1
2	Toyota	Camry	2015	Red	O00100	1
3	Audi	A6	2018	Black	P000PP	2
4	Lexus	R6	2019	White	A000AA	3

(4 rows)

```
garage=# ALTER TABLE Auto ADD COLUMN test varchar;
```

```
ALTER TABLE
```

```
garage=# select * from auto;
```

id	brand	model	year_of_manuf	color	license_plate	id_owner	test
1	BMW	X5	2020	White	O00000	1	
2	Toyota	Camry	2015	Red	O00100	1	
3	Audi	A6	2018	Black	P000PP	2	
4	Lexus	R6	2019	White	A000AA	3	

(4 rows)

```
garage=# ALTER TABLE Auto DROP COLUMN test;
```

```
ALTER TABLE
```

```
garage=# select * from auto;
```

id	brand	model	year_of_manuf	color	license_plate	id_owner
1	BMW	X5	2020	White	O00000	1
2	Toyota	Camry	2015	Red	O00100	1
3	Audi	A6	2018	Black	P000PP	2
4	Lexus	R6	2019	White	A000AA	3

(4 rows)

Чтение выбранных столбцов из таблицы

```
garage=# select id, brand, license_plate, id_owner from auto;
```

id	brand	license_plate	id_owner
1	BMW	O00000	1
2	Toyota	O00100	1
3	Audi	P000PP	2
4	Lexus	A000AA	3

(4 rows)

```
garage=# select id, brand, id_owner from auto where year_of_manuf > 2018;
```

id	brand	id_owner
1	BMW	1
4	Lexus	3

(2 rows)

```
garage=# select id, brand, id_owner from auto where id_owner in ('1', '3');
```

id	brand	id_owner
1	BMW	1
2	Toyota	1
4	Lexus	3

(3 rows)

```
garage=# select id, brand, id_owner from auto where id_owner not in ('1', '3');
 id | brand | id_owner
----+-----+-----
  3 | Audi  |         2
(1 row)
```

```
garage=# select id, brand, id_owner from auto where year_of_manuf between '2010' and '2019';
 id | brand | id_owner
----+-----+-----
  2 | Toyota |         1
  3 | Audi  |         2
  4 | Lexus  |         3
(3 rows)
```

```
garage=# select * from owner;
 id |      name      |      address      |      phone_num
----+-----+-----+-----
  1 | Ivan Ivanov    | Lenin Street, 10  | 8-800-555-35-35
  2 | Petr Petrov    | Gagarin Street, 5 | 8-800-555-35-36
  3 | Aleksey Alekseev | Pushkin Street, 22 | 8-800-555-35-37
(3 rows)
```

```
garage=# select name from owner where name like 'P%';
      name
-----
 Petr Petrov
(1 row)
```

Чтение строк по выбранным условиям

```
garage=# select * from owner order by name
;
 id |      name      |      address      |      phone_num
----+-----+-----+-----
  3 | Aleksey Alekseev | Pushkin Street, 22 | 8-800-555-35-37
  1 | Ivan Ivanov    | Lenin Street, 10  | 8-800-555-35-35
  2 | Petr Petrov    | Gagarin Street, 5 | 8-800-555-35-36
(3 rows)
```

```
garage=# select * from owner order by name desc;
 id |      name      |      address      |      phone_num
----+-----+-----+-----
  2 | Petr Petrov    | Gagarin Street, 5 | 8-800-555-35-36
  1 | Ivan Ivanov    | Lenin Street, 10  | 8-800-555-35-35
  3 | Aleksey Alekseev | Pushkin Street, 22 | 8-800-555-35-37
(3 rows)
```

```
garage=# select * from guard;
 id |      name      |      phone_num
----+-----+-----
  1 | Sergey Sergeev | 8-800-555-36-35
  2 | Andrey Andreev | 8-800-555-36-36
(2 rows)
```

```
garage=# select count(id) from guard;
 count
-----
      2
(1 row)
```

```
garage=# select * from auto;
```

id	brand	model	year_of_manuf	color	license_plate	id_owner
1	BMW	X5	2020	White	000000	1
2	Toyota	Camry	2015	Red	000100	1
3	Audi	A6	2018	Black	P000PP	2
4	Lexus	R6	2019	White	A000AA	3

```
(4 rows)
```



```
garage=# select min(year_of_manuf) from auto;
```

min
2015

```
(1 row)
```

Изменение данных в таблице

```
garage=# select * from owner;
```

id	name	address	phone_num
1	Ivan Ivanov	Lenin Street, 10	8-800-555-35-35
2	Petr Petrov	Gagarin Street, 5	8-800-555-35-36
3	Aleksey Alekseev	Pushkin Street, 22	8-800-555-35-37

```
(3 rows)
```



```
garage=# update owner set phone_num = '8-800-666-36-36' where id = 1;
```

```
UPDATE 1
```

```
garage=# select * from owner;
```

id	name	address	phone_num
2	Petr Petrov	Gagarin Street, 5	8-800-555-35-36
3	Aleksey Alekseev	Pushkin Street, 22	8-800-555-35-37
1	Ivan Ivanov	Lenin Street, 10	8-800-666-36-36

```
(3 rows)
```