Добавление и удаление столбца в таблицу

```
equipment=# select * from Journal;
 id | date_of_issue | date_of_return | id_equipment | id_person
----+---------------+----------------+--------------+-----------
  1 | 2020-07-07    | 2022-01-01     |            2 |         3
  2 | 2023-03-03    |                |            1 |         1
(2 rows)

equipment=# alter table Journal add column Test;
ERROR:  syntax error at or near ";"
LINE 1: alter table Journal add column Test;
                                           ^
equipment=# alter table Journal add column Test varchar;
ALTER TABLE
equipment=# select * from Journal;
 id | date_of_issue | date_of_return | id_equipment | id_person | test
----+---------------+----------------+--------------+-----------+------
  1 | 2020-07-07    | 2022-01-01     |            2 |         3 |
  2 | 2023-03-03    |                |            1 |         1 |
(2 rows)
```

```
equipment=# alter table Journal drop column Test;
ALTER TABLE
equipment=# select * from Journal;
 id | date_of_issue | date_of_return | id_equipment | id_person
----+---------------+----------------+--------------+-----------
  1 | 2020-07-07    | 2022-01-01     |            2 |         3
  2 | 2023-03-03    |                |            1 |         1
(2 rows)
```

Чтение выбранных столбцов из таблицы

```
equipment=# select id, serial_number, id_type from equipment;
 id | serial_number | id_type
----+---------------+---------
  1 | SN101         |       1
  2 | SN201         |       2
  3 | SN301         |       3
(3 rows)
```

```
equipment=# select id, serial_number, id_type from equipment where price > 1900;
 id | serial_number | id_type
----+---------------+---------
  1 | SN101         |       1
  3 | SN301         |       3
(2 rows)
```

```
equipment=# select id, serial_number, id_type from equipment where id_department in ('1', '2');
 id | serial_number | id_type
----+---------------+---------
  1 | SN101         |       1
  2 | SN201         |       2
(2 rows)
```

```
equipment=# select id, serial_number, id_type from equipment where id_department not in ('1', '2');
 id | serial_number | id_type
----+---------------+---------
  3 | SN301         |       3
(1 row)
```

```
equipment=# select id, serial_number, id_type from equipment where price between 900 and 2000;
 id | serial_number | id_type
----+---------------+---------
  2 | SN201         |       2
  3 | SN301         |       3
(2 rows)
```

```
equipment=# select name from Persons where name like 'A%';
      name
----------------
 Andreev Andrey
(1 row)
```

Чтение строк по выбранным условиям

```
equipment=# select * from equipment order by price;
 id | serial_number | date_of_purchase |  price  | id_type | id_department | id_person
----+---------------+------------------+---------+---------+---------------+-----------
  2 | SN201         | 2020-05-07       |    1000 |       2 |             2 |         3
  3 | SN301         | 2021-04-04       | 1999.99 |       3 |             3 |         2
  1 | SN101         | 2023-01-10       |    2500 |       1 |             1 |         1
(3 rows)
```

```
equipment=# select * from equipment order by price desc;
 id | serial_number | date_of_purchase |  price  | id_type | id_department | id_person
----+---------------+------------------+---------+---------+---------------+-----------
  1 | SN101         | 2023-01-10       |    2500 |       1 |             1 |         1
  3 | SN301         | 2021-04-04       | 1999.99 |       3 |             3 |         2
  2 | SN201         | 2020-05-07       |    1000 |       2 |             2 |         3
(3 rows)
```

```
equipment=# select count(id) from Equipment;
 count
-------
     3
(1 row)
```

```
equipment=# select min(date_of_purchase) from equipment;
    min
------------
 2020-05-07
(1 row)
```

Изменение данных в таблице

```
equipment=# select * from Persons;
 id |     name      |    phone    |        email
----+---------------+-------------+----------------------
  1 | Ivanov Ivan   | 89005004031 | ivanovivan@google.com
  2 | Petrov Petr   | 89005004032 | petrovpetr@mail.ru
  3 | Andreev Andrey | 89005004033 | andrey012@yandex.ru
(3 rows)

equipment=# update Persons set phone ='88006005052' where id = 2;
UPDATE 1
equipment=# select * from Persons;
 id |     name      |    phone    |        email
----+---------------+-------------+----------------------
  1 | Ivanov Ivan   | 89005004031 | ivanovivan@google.com
  3 | Andreev Andrey | 89005004033 | andrey012@yandex.ru
  2 | Petrov Petr   | 88006005052 | petrovpetr@mail.ru
(3 rows)
```