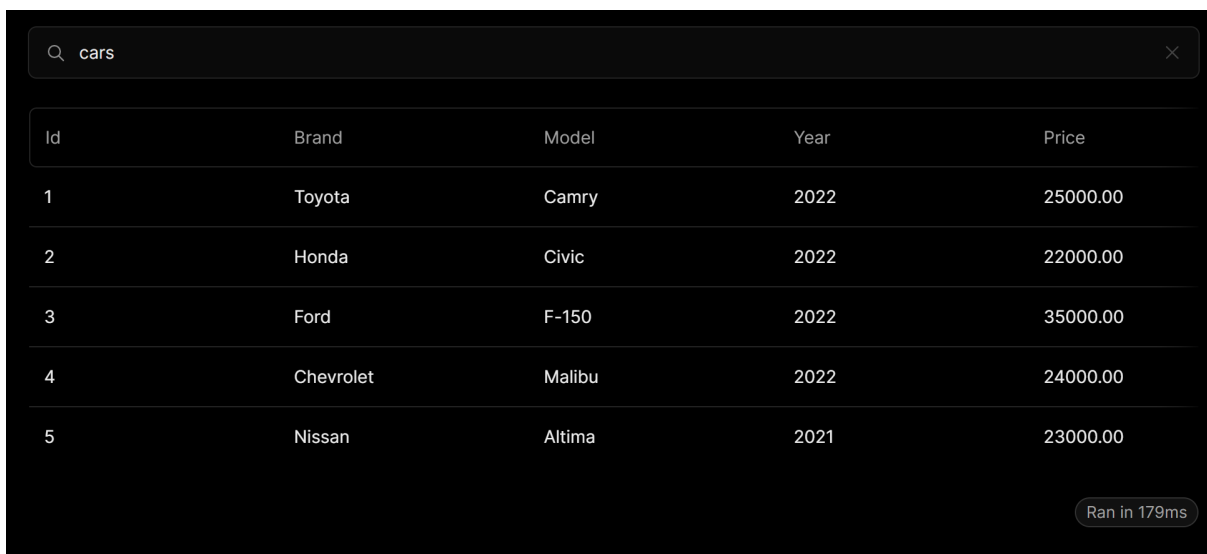


## Лабораторна робота №1

Для представлення заданої предметної області було створено наступні сутності в реляційній sql базі даних postgresql:

```
CREATE TABLE Cars
```

```
(  
    id      SERIAL PRIMARY KEY,  
    brand   VARCHAR(255),  
    model   VARCHAR(255),  
    year    INT,  
    price   NUMERIC(10, 2)  
);
```



The screenshot shows a database interface with a search bar containing 'cars'. Below it is a table with 5 rows of data. The columns are Id, Brand, Model, Year, and Price. The data is as follows:

Id	Brand	Model	Year	Price
1	Toyota	Camry	2022	25000.00
2	Honda	Civic	2022	22000.00
3	Ford	F-150	2022	35000.00
4	Chevrolet	Malibu	2022	24000.00
5	Nissan	Altima	2021	23000.00

In the bottom right corner of the interface, there is a button that says 'Ran in 179ms'.

```
CREATE TABLE Customers
```

```
(  
    id          SERIAL PRIMARY KEY,  
    firstname   VARCHAR(255),  
    lastname    VARCHAR(255),  
    email       VARCHAR(255),  
    phone       VARCHAR(15)  
);
```

customers				
Id	Firstname	Lastname	Email	Phone
1	John	Doe	john.doe@email.com	+1234567890
2	Jane	Smith	jane.smith@email.com	+9876543210
3	Bob	Johnson	bob.johnson@email.com	+5678901234
4	Alice	Brown	alice.brown@email.com	+4321098765
5	David	Pee	david.pee@email.com	+8765432109

Ran in 232ms

```
CREATE TABLE Employees
(
    id          SERIAL PRIMARY KEY,
    firstname VARCHAR(255),
    lastname   VARCHAR(255),
    position   VARCHAR(255),
    salary     NUMERIC(10, 2),
    password   VARCHAR(255),
);
```

employees				
Id	Firstname	Lastname	Position	Salary
1	Michael	Smith	Sales Manager	60000.00
5	William	Davis	General Manager	75000.00
4	Jennifer	Lee	Service Technician	50000.00
3	Robert	Brown	Sales Representative	45000.00
2	Emily	Johnson	Finance Manager	65000.00

Ran in 143ms

```
CREATE TABLE Sales
(
    id          SERIAL PRIMARY KEY,
    carid       INT,
    customerid  INT,
```

```

    saledate    DATE,
    saleprice   NUMERIC(10, 2)
);

```

sales				
Id	Carid	Customerid	Saledate	Saleprice
1	1	1	Sun Jan 15 2023 00:00:00 GMT+0200 (за східноєвропейським стандартним часом)	25000.00
2	2	2	Mon Jan 16 2023 00:00:00 GMT+0200 (за східноєвропейським стандартним часом)	22000.00
3	3	3	Tue Jan 17 2023 00:00:00 GMT+0200 (за східноєвропейським стандартним часом)	35000.00

```

CREATE TABLE Services
(
    id          SERIAL PRIMARY KEY,
    servicename VARCHAR(255),
    description TEXT,
    price       NUMERIC(10, 2)
);

```

services			
Id	Service_name	Description	Price
1	Regular Maintenance Service	Scheduled maintenance to keep the vehicle in good condition.	100.00
2	Brake Pad Replacement	Replacement of brake pads and brake system work.	150.00
3	Engine Diagnostics	Engine diagnostics to detect issues and facilitate repairs.	75.00
4	Oil and Filter Change	Routine oil and filter change to maintain engine performance.	50.00
5	Climate System Repair	Repair and servicing of the vehicles climate control system.	120.00