

1)

pgAdmin 4  
Файл Объект Инструменты Справка

Object Explorer  
Servers (1)  
PostgreSQL 15  
Базы данных (1)  
postgres

Панель информации... Свойства SQL Статистика Зависимости Зависимые Processes postgres/postgres@PostgreSQL 15

Запрос История запросов

```

51 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (13, 'Bank of America', '098765');
52 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (14, 'Wells Fargo', '1478356');
53 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (15, 'US Bank', '010701');
54 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (16, 'HSBC', '777777');
55 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (17, 'Chase', '555555');
56 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (18, 'PNC Bank', '123789');
57 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (19, 'HSBC', '456963');
58 insert into CARD (id, BANK_NAME, CARD_NUMBER) values (20, 'Wells Fargo', '214760');
59
60 SELECT *
61 FROM PEOPLE
62 INNER JOIN CARD
63 ON PEOPLE.ID = CARD.ID
64 AND BANK_NAME <> 'Capital One';
65
66 SELECT *
67 FROM PEOPLE
68 LEFT JOIN CARD
69 ON PEOPLE.ID = CARD.ID

```

	id integer	first_name character varying (200)	last_name character varying (200)	id integer	bank_name character varying (200)	card_number character varying (200)
1	1	Dar	Bragg	1	US Bank	677136
2	2	Aube	Penney	2	PNC Bank	493664
3	5	Cass	Wydbore	5	Citibank	510014
4	6	Danika	McAlees	6	HSBC	450869
5	7	Mame	Bulgen	7	Chase	638887
6	8	Bat	O'Donohue	8	Wells Fargo	357163
7	9	Vanessa	Courteney	9	PNC Bank	354145
8	10	Rozalin	Gutman			
9	11	Elynn	Smoughton	11	US Bank	334234
10	12	Rozele	Westmorland	12	US Bank	234567

Total rows: 18 of 18 Query complete 00:00:00.092

Ln 59, Col 1

8°C Cloudy

Получено: 21:15 03.10.2023

2)

pgAdmin 4  
Файл Объект Инструменты Справка

Object Explorer  
Servers (1)  
PostgreSQL 15  
Базы данных (1)  
postgres

Панель информации... Свойства SQL Статистика Зависимости Зависимые Processes postgres/postgres@PostgreSQL 15

Запрос История запросов

```

61 FROM PEOPLE
62 INNER JOIN CARD
63 ON PEOPLE.ID = CARD.ID
64 AND BANK_NAME <> 'Capital One';
65
66 SELECT *
67 FROM PEOPLE
68 LEFT JOIN CARD
69 ON PEOPLE.ID = CARD.ID
70 WHERE FIRST_NAME LIKE 'D%';
71
72 SELECT *
73 FROM PEOPLE
74 LEFT JOIN CARD
75 ON PEOPLE.ID = CARD.ID;
76
77 SELECT *
78 FROM CARD

```

	id integer	first_name character varying (200)	last_name character varying (200)	id integer	bank_name character varying (200)	card_number character varying (200)
1	1	Dar	Bragg	1	US Bank	677136
2	6	Danika	McAlees	6	HSBC	450869

Total rows: 2 of 2 Query complete 00:00:00.056

Ln 65, Col 1

8°C Cloudy

Получено: 21:17 03.10.2023

3)

The screenshot shows the pgAdmin 4 interface with a PostgreSQL 15 database. The query editor displays a complex SQL query involving multiple joins and filters. The results table shows 20 rows of data with columns: id, first\_name, last\_name, id, bank\_name, and card\_number.

```

61 FROM PEOPLE
62 INNER JOIN CARD
63 ON PEOPLE.ID = CARD.ID
64 AND BANK_NAME <> 'Capital One';
65
66
67 SELECT *
68 FROM PEOPLE
69 LEFT JOIN CARD
70 ON PEOPLE.ID = CARD.ID
71 WHERE FIRST_NAME LIKE 'D%';
72
73 SELECT *
74 FROM PEOPLE
75 LEFT JOIN CARD
76 ON PEOPLE.ID = CARD.ID;
77
78 SELECT *
79 FROM CARD

```

	id integer	first_name character varying (200)	last_name character varying (200)	id integer	bank_name character varying (200)	card_number character varying (200)
1	1	Dar	Bragg	1	US Bank	677136
2	2	Aube	Penney	2	PNC Bank	493664
3	3	Noak	Alejo	3	Capital One	355833
4	4	Cynthia	Doblin	4	Capital One	201561
5	5	Cass	Wyldbore	5	Citibank	510014
6	6	Danika	McAlees	6	HSBC	450869
7	7	Mame	Bulgen	7	Chase	638887
8	8	Bat	O'Donohue	8	Wells Fargo	357163
9	9	Vanessa	Courteney	9	PNC Bank	354145
10	10	Rozalin	Gutman			
11	11	Elvyn	Smoughton	11	US Bank	334234
12	12	Rozele	Westmorland	12	US Bank	234567

Total rows: 20 of 20 Query complete 00:00:00.056

Ln 71, Col 1

4)

The screenshot shows the pgAdmin 4 interface with a PostgreSQL 15 database. The query editor displays a complex SQL query involving multiple joins and filters. The results table shows 5 rows of data with columns: id, bank\_name, card\_number, id, first\_name, and last\_name.

```

71
72 SELECT *
73 FROM PEOPLE
74 LEFT JOIN CARD
75 ON PEOPLE.ID = CARD.ID;
76
77 SELECT *
78 FROM CARD
79 RIGHT JOIN PEOPLE
80 ON PEOPLE.ID = CARD.ID
81 WHERE BANK_NAME LIKE 'C%';
82
83 SELECT *
84 FROM PEOPLE
85 FULL OUTER JOIN CARD
86 ON PEOPLE.ID = CARD.ID;
87
88 SELECT *

```

	id integer	bank_name character varying (200)	card_number character varying (200)	id integer	first_name character varying (200)	last_name character varying (200)
1	3	Capital One	355833	3	Noak	Alejo
2	4	Capital One	201561	4	Cynthia	Doblin
3	5	Citibank	510014	5	Cass	Wyldbore
4	7	Chase	638887	7	Mame	Bulgen
5	17	Chase	555555	17	Fonz	Janu

Total rows: 5 of 5 Query complete 00:00:00.063

Ln 76, Col 1

5)

pgAdmin 4

Object Explorer

- Servers (1)
  - PostgreSQL 15
    - Базы данных (1)
      - postgres
        - Publications
        - Subscriptions
        - Каталоги
        - Обёртки сторонних данных
        - Приведения
        - Расширения
        - Событийные триггеры
        - Схемы
        - Языки
        - Табличные пространства
        - Роли входа/группы

Панель информации... Свойства SQL Статистика Зависимости Зависимые Processes postgres/postgres@PostgreSQL 15\*

```

76
77 SELECT *
78 FROM CARD
79 RIGHT JOIN PEOPLE
80 ON PEOPLE.ID = CARD.ID
81 WHERE BANK_NAME LIKE 'C%';
82
83 SELECT *
84 FROM PEOPLE
85 FULL OUTER JOIN CARD
86 ON PEOPLE.ID = CARD.ID;
87
88 SELECT *
89 FROM PEOPLE
90 LEFT EXCLUSIVE PEOPLE
91 ON PEOPLE.ID = CARD.ID;
92
93 SELECT *
  
```

	id integer	first_name character varying (200)	last_name character varying (200)	id integer	bank_name character varying (200)	card_number character varying (200)
1	1	Dar	Bragg	1	US Bank	677136
2	2	Aube	Penney	2	PNC Bank	493664
3	3	Noak	Alejo	3	Capital One	355833
4	4	Cynthia	Doblin	4	Capital One	201561
5	5	Cass	Wyldebore	5	Citibank	510014
6	6	Danika	McAlees	6	HSBC	450869
7	7	Mame	Bulgen	7	Chase	638887
8	8	Bat	O'Donohue	8	Wells Fargo	357163
9	9	Vanessa	Courteney	9	PNC Bank	354145
10	10	Rozalin	Gutman			
11	11	Elvyn	Smoughton	11	US Bank	334234
12	12	Rozele	Westmorland	12	US Bank	234567

Total rows: 20 of 20 Query complete 00:00:00.059

Ln 82, Col 1

8°C Cloudy

21:18 03.10.2023

6)

pgAdmin 4

Object Explorer

- Servers (1)
  - PostgreSQL 15
    - Базы данных (1)
      - postgres
        - Publications
        - Subscriptions
        - Каталоги
        - Обёртки сторонних данных
        - Приведения
        - Расширения
        - Событийные триггеры
        - Схемы
        - Языки
        - Табличные пространства
        - Роли входа/группы

Панель информации... Свойства SQL Статистика Зависимости Зависимые Processes postgres/postgres@PostgreSQL 15\*

```

81 WHERE BANK_NAME LIKE 'C%';
82
83 SELECT *
84 FROM PEOPLE
85 FULL OUTER JOIN CARD
86 ON PEOPLE.ID = CARD.ID;
87
88 SELECT *
89 FROM PEOPLE
90 RIGHT JOIN PEOPLE
91 ON PEOPLE.ID = CARD.ID;
92
93 SELECT *
94 FROM PEOPLE
95 FULL OUTER JOIN CARD
96 ON PEOPLE.ID = CARD.ID
97 WHERE CARD_NUMBER LIKE '6%';
98
  
```

	id integer	bank_name character varying (200)	card_number character varying (200)	id integer	first_name character varying (200)	last_name character varying (200)
1	1	US Bank	677136	1	Dar	Bragg
2	2	PNC Bank	493664	2	Aube	Penney
3	3	Capital One	355833	3	Noak	Alejo
4	4	Capital One	201561	4	Cynthia	Doblin
5	5	Citibank	510014	5	Cass	Wyldebore
6	6	HSBC	450869	6	Danika	McAlees
7	7	Chase	638887	7	Mame	Bulgen
8	8	Wells Fargo	357163	8	Bat	O'Donohue
9	9	PNC Bank	354145	9	Vanessa	Courteney
10	10	SunTrust	633112			
11	11	US Bank	334234	11	Elvyn	Smoughton
12	12	US Bank	234567	12	Rozele	Westmorland

Total rows: 20 of 20 Query complete 00:00:00.039

Ln 87, Col 1

8°C Cloudy

21:19 03.10.2023

7)

pgAdmin 4

файл Объект Инструменты Справка

Object Explorer

- Servers (1)
  - PostgreSQL 15
    - Базы данных (1)
      - postgres
        - Publications
        - Subscriptions
        - Каталоги
        - Обёртки сторонних данных
        - Приведения
        - Расширения
        - Событийные триггеры
        - Схемы
        - Языки
        - Табличные пространства
        - Роли входа/группы

Панель информа... Свойства SQL Статистика Зависимости Зависимые Processes postgres/postgres@PostgreSQL 15\*

postgres/postgres@PostgreSQL 15

No limit

```
82
83 SELECT *
84 FROM PEOPLE
85 FULL OUTER JOIN CARD
86 ON PEOPLE.ID = CARD.ID;
87
88 SELECT *
89 FROM CARD
90 RIGHT JOIN PEOPLE
91 ON PEOPLE.ID = CARD.ID;
92
93 SELECT *
94 FROM PEOPLE
95 FULL OUTER JOIN CARD
96 ON PEOPLE.ID = CARD.ID
97 WHERE CARD_NUMBER LIKE '6%';
98
```

Data Output Сообщения Notifications История запросов

	id	first_name	last_name	id	bank_name	card_number
	integer	character varying (200)	character varying (200)	integer	character varying (200)	character varying (200)
1	1	Dar	Bragg	1	US Bank	677136
2	7	Mame	Bulgen	7	Chase	638887
3	10	Rozalin	Gutman	10	SunTrust	633112

✓ Запрос выполнен успешно. Общее время выполнения: 74 msec. обработано строк: 3. ✕

✓ Сервер подключён. ✕

Total rows: 3 of 3 Query complete 00:00:00.074 Ln 92, Col 1

8°C Cloudy Поиск 21:19 03.10.2023