

1.

```
select * from employees;
```

	123 employee_id ▼	ABC first_name ▼	ABC last_name ▼	ABC
	100	Steven	King	SK
	101	Neena	Kochhar	NK
	102	Lex	De Haan	LD
	103	Alexander	Hunold	AH
	104	Bruce	Ernst	BE
	105	David	Austin	DA
	107	Diana	Lorentz	DL
	108	Nancy	Greenberg	NG
	109	Daniel	Faviet	DF
0	110	John	Chen	JCH

Обновить ▼ Save ▼ Cancel ▢

Export to CSV

2.

```
select department_id, department_name, manager_id from departments d
```

departments			
select department_id, department_name, manager_id			
Введите SQL выражение чтобы отфильтровать			
	department_id	department_name	manager_id
1	10	Administration	200
2	20	Marketing	201
3	30	Purchasing	114
4	40	Human Resources	203
5	50	Shipping	121
6	60	IT	103
7	70	Public Relations	204
8	80	Sales	145
9	100	Finance	108
10	110	Accounting	205
11	120	Treasury	[NULL]

3.

*<db1.breyman.ru> Script-1 ×

```
select first_name, last_name from employees
```

employees 1 ×

select first_name, last_name from Введите SQL выражение чтобы

Таблица	ABC first_name ABC last_name	
	1	2
Текст	Steven	King
	Neena	Kochhar
	Lex	De Haan
	Alexander	Hunold
	Bruce	Ernst
	David	Austin
	Diana	Lorentz
	Nancy	Greenberg
	Daniel	Faviet
	John	Chen
	Ismael	Sciarra
	Jose Manuel	Urman
	Luis	Popp
	Den	Raphaely
	Alexander	Khoo
	Shelli	Baida
	Sigal	Tobias
	Guy	Himuro
	Karen	Colmenares
	Matthew	Weiss
	Adam	Fripp
	Payam	Kaufing
	Shanta	Vollman

Запись

Обновить Save Cancel

4.

pl.breyman.ru> Script-1 x

```
select concat(first_name, ' ', last_name) as name, phone_integer
```

<

employees 1 x

select concat(first_name, ' ', last_name) as name, phone_integer

Введите SQL выражение чтобы отфильтровать результаты

name	phone_integer
Steven King	515.123.4567
Neena Kochhar	515.123.4568
Lex De Haan	515.123.4569
Alexander Hunold	590.423.4567
Bruce Ernst	590.423.4568
David Austin	590.423.4569
Diana Lorentz	590.423.5567
Nancy Greenberg	515.124.4569
Daniel Faviet	515.124.4169
John Chen	515.124.4269
Ismael Sciarra	515.124.4369
Jose Manuel Urman	515.124.4469
Luis Popp	515.124.4567
Den Raphaely	515.127.4561

Обновить Save Cancel

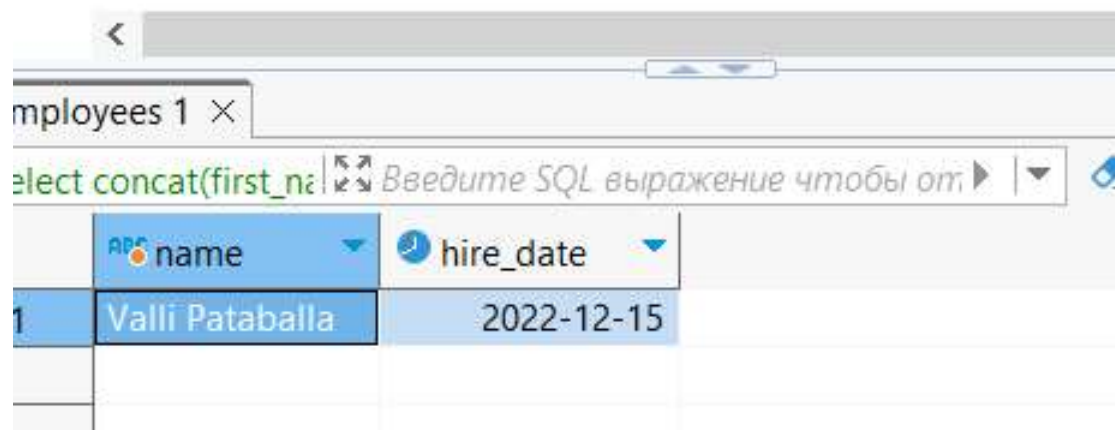
108 строк получено - 14ms, 2023-10-31 в 01:36:13

MSK ru Запись Инт. вставка

Экспорт

5.

```
select concat(first_name, ' ',last_name) as name  
order by hire_date desc  
limit 1
```



The screenshot shows a database query interface. At the top, there is a tab labeled "employees 1" with a close button. Below the tab is a text input field containing the SQL query: "select concat(first_name, ' ',last_name) as name order by hire_date desc limit 1". To the right of the input field is a button with a play icon and the text "Введите SQL выражение чтобы от". Below the input field is a table with two columns: "name" and "hire_date". The first row of the table contains the values "Valli Pataballa" and "2022-12-15".

	name	hire_date
1	Valli Pataballa	2022-12-15

6.

*<db1.breyman.ru> Script-1 ×

```
select concat(e.first_name, ' ', e.last_name)
d.department_name from employees e
join departments d on e.department_id = d.depa
where exists (
  select 1
  from employees e2
  where e.employee_id = e2.manager_id
)
```

departments 1 ×

select concat(e.first_ Введите SQL выражение чтобы от ▶

	name	department_name
1	Steven King	Executive
2	Neena Kochhar	Executive
3	Lex De Haan	Executive
4	Alexander Hunold	IT
5	Nancy Greenberg	Finance
6	Den Raphaely	Purchasing
7	Matthew Weiss	Shipping
8	Adam Fripp	Shipping
9	Payam Kaufling	Shipping
10	Shanta Vollman	Shipping
11	Kevin Mourgous	Shipping
12	John Russell	Sales
13	Karen Partners	Sales 7

Обновить Save Cancel

Экспорт данных 200 18


```

select concat(e.first_name, ' ', e.last_name)
d.department_name from employees e
join departments d on e.department_id = d.dept
where not exists (
    select 1
    from employees e2
    where e.employee_id = e2.manager_id
)

```

departments 1 ×

select concat(e.first_ Введите SQL выражение чтобы от: ▾

	name	department_name
1	Bruce Ernst	IT
2	David Austin	IT
3	Diana Lorentz	IT
4	Daniel Faviat	Finance
5	John Chen	Finance
6	Ismael Sciarra	Finance
7	Jose Manuel Urmar	Finance
8	Luis Popp	Finance
9	Alexander Khoo	Purchasing
10	Shelli Baida	Purchasing
11	Sigal Tobias	Purchasing
12	Guy Himuro	Purchasing
13	Karen Colmenares	Purchasing

Обновить ▾ Save Cancel

Экспорт данных ... 200 90

8.


```
select max(salary) from employees e
```





результат 1 ×

select max(salary) fr Введите SQL выражение чтобы от

123 max
24 000

9)

 `select min(salary) from employees e`

Результат 1 ×

`select min(salary) fr` *Введите SQL выражение чтобы от*

таблица	123 min
1	1 000

10)

```
select distinct d.location_id from departments
```

departments 1

select distinct d.location_id

Vведите SQL выражение чтобы от:

	location_id
1	1 800
2	2 500
3	1 400
4	2 700
5	2 400
6	1 500
7	1 700

```

select round(avg(salary),2), d.department_name
join departments d on e.department_id = d.depa
group by d.department_name

```

departments 1 ×

select round(avg(sal) Введите SQL выражение чтобы от ▶

	round	department_name
1	10 154	Accounting
2	4 150	Purchasing
3	3 421,74	Shipping
4	9 500	Marketing
5	4 400	Administration
6	8 601,33	Finance
7	6 500	Human Resources
8	8 900	Sales
9	10 000	Public Relations
10	6 200	IT
11	19 333,33	Executive

12)

```

select concat(e.first_name, ' ', e.last_name) as
d.department_name from employees e
join departments d on e.department_id = d.depar
where not exists (
    select 1
    from employees e2
    where e.employee_id = e2.manager_id
)

```



departments 1 ×

select concat(e.first_ Введите SQL выражение чтобы от ▶

	ABC name	ABC department_name
1	Bruce Ernst	IT
2	David Austin	IT
3	Diana Lorentz	IT
4	Daniel Faviat	Finance
5	John Chen	Finance
6	Ismael Sciarra	Finance
7	Jose Manuel Urman	Finance
8	Luis Popp	Finance
9	Alexander Khoo	Purchasing
10	Shelli Baida	Purchasing
11	Sigal Tobias	Purchasing
12	Guy Himuro	Purchasing
13	Karen Colmenares	Purchasing

Обновить Save Cancel

PART 1.2

1)


```

select
(
    select max(salary) from employees e
) / e.salary as how_many_times_less,
(
    select max(salary) from employees e
) as max_salary,
e.salary
from employees e

```

employees 1 ×

select (select max(s) Введите SQL выражение чтобы от ▶

Таблица	how_many_times_less	max_salary	salary
1	1	24 000	24 000
2	1,4117647059	24 000	17 000
3	1,4117647059	24 000	17 000
4	2,6666666667	24 000	9 000
5	4	24 000	6 000
6	5	24 000	4 800
7	5,7142857143	24 000	4 200
8	1,998667555	24 000	12 000
9	2,6666666667	24 000	9 000
10	2,9268292683	24 000	8 200
11	3,1168831169	24 000	7 700
12	3,0769230769	24 000	7 800
13	3,4782608696	24 000	6 900

Обновить Save Cancel

Экспорт данных ... 200 108

2)

```

select
(
    select round(avg(salary), 0)
    from employees e1
    where e1.department_id = e.department_id
) / e.salary as how_many_times_less,
(
    select round(avg(salary), 0)
    from employees e1
    where e1.department_id = e.department_id
) as avg_department, d.department_name
from employees e
join departments d on d.department_id = e.department_id

```

Результат 1 Результат 2 departments 3 ×			
select (select round Введите SQL выражение чтобы от ▶			
	how_many_times_less	avg_department	department_name
1	0,8055416667	19 333	Executive
2	1,1372352941	19 333	Executive
3	1,1372352941	19 333	Executive
4	0,6888888889	6 200	IT
5	1,0333333333	6 200	IT
6	1,2916666667	6 200	IT
7	1,4761904762	6 200	IT
8	0,716272485	8 601	Finance
9	0,9556666667	8 601	Finance
10	1,048902439	8 601	Finance
11	1,117012987	8 601	Finance
12	1,1026923077	8 601	Finance
13	1,2465217391	8 601	Finance

Обновить Save Cancel

Экспорт данных 200 108

3)

```

select e.first_name, d.department_name, e.job_id,
(
    select round(avg(salary), 0)
    from employees e1
    where e1.department_id = e.department_id
) as avg_department,
(
    select round(avg(salary), 0)
    from employees e2
    where e2.job_id = e.job_id
) as avg_pos,
(
    select round(avg(salary), 0)
    from employees e1
    where e1.department_id = e.department_id
) / (
    select round(avg(salary), 0)
    from employees e2
    where e2.job_id = e.job_id
) as dep_to_pos_ratio
from employees e
join departments d on d.department_id = e.department_id

```

Результат 2 employees(+) 3 ×

Введите SQL выражение чтобы отфильтровать результаты

first_name	department_name	job_id	avg_department	avg_pos
Steven	Executive	AD_PRES	19 333	24
Neena	Executive	AD_VP	19 333	17
Lex	Executive	AD_VP	19 333	17
Alexander	IT	IT_PROG	6 200	6
Bruce	IT	IT_PROG	6 200	6
David	IT	IT_PROG	6 200	6
Diana	IT	IT_PROG	6 200	6

Обновить Save Cancel Экспорт данных ...

108 строк получено - 22ms, 2023-10-31 в 03:05:19

4)

--4

SELECT e.salary, e.*
FROM employees e
WHERE (e.department_id, e.salary, e.last_name) IN (
SELECT e1.department_id, MIN(e1.salary), MIN(e1.last_name)
FROM employees e1
GROUP BY e1.department_id
)

Результат 1

Результат 2

employees 3

employees 4 ×

SELECT e.salary, e.* FROM emp
Введите SQL выражение чтобы отфильтровать результаты

	123 salary	123 employee_id	ABC first_name	ABC last_name	ABC email	A
1	17 000	102	Lex	De Haan	LDEHAAN	5
2	4 400	200	Jennifer	Whalen	JWHALEN	5
3	6 000	202	Pat	Fay	PFAY	6
4	6 500	203	Susan	Mavris	SMAVRIS	5
5	10 000	204	Hermann	Baer	HBAER	5
6	8 300	206	William	Gietz	WGIETZ	5