

# Рабочая тетрадь №2

База данных: ***PostgreSQL***

# Рабочая тетрадь №2

## **Основные требования:**

- *Выполнение команд производится в терминале или в графическом редакторе*
- *Результат работы команды предоставляется в виде скриншота*
- *Оформление ведется в удобном текстовом редакторе*

- *Рабочие тетради должны предоставляться на проверку в формате .pdf*

# Рабочая тетрадь №2

Create - Database

General

Definition

Security

Parameters

Advanced

SQL

Database

stokaip21i1228

Owner

postgres

Comment

Stoka I.P. 21I1228




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Close

Reset

Save

 **Create - Database**  

General

Definition

Security



Parameters

Advanced


SQL


Encoding

UTF8


 | 


Template

 template0

| 



Tablespace

 pg\_default

| 



Collation

Russian\_Russia.1251

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Character type

Russian\_Russia.1251

 | 



Connection limit


-1


Template?


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Note: When the preferences setting 'show template databases' is set to false, then template databases won't be displayed in the browser tree.

 Close

 Reset

 Save

# Рабочая тетрадь №2

Query Query History

```
1 Create extension if not EXISTS CITEXT;  
2 Create TABLE Employees(  
3     id SERIAL PRIMARY KEY,  
4     name TEXT,  
5     post TEXT  
6 );  
7  
8
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 192 msec.

Query Query History

```
1 Create extension if not EXISTS CITEXT;  
2 Create TABLE Salary(  
3     id SERIAL PRIMARY KEY,  
4     name TEXT,  
5     count INT  
6 );  
7  
8
```

Data Output Messages Notifications

ЗАМЕЧАНИЕ: расширение "citext" уже существует, пропускается  
CREATE TABLE

Query returned successfully in 110 msec.

Query Query History

```
1 INSERT INTO Employees VALUES (1, 'ivan', 'Teacher');
2 INSERT INTO Employees VALUES (2, 'vanya', 'Sportsman');
3 INSERT INTO Employees VALUES (3, 'john', 'Policeman');
4 INSERT INTO Employees VALUES (4, 'grisha', 'Lawyer');
5 INSERT INTO Employees VALUES (5, 'sasha', 'Doctor');
6 INSERT INTO Employees VALUES (6, 'tanya', 'Actor');
7 INSERT INTO Employees VALUES (7, 'oleg', 'Cook');
8 INSERT INTO Employees VALUES (8, 'petya', 'Postman');
9 INSERT INTO Employees VALUES (9, 'lera', 'Fireman');
10 INSERT INTO Employees VALUES (10, 'egor', 'Seller');
11 INSERT INTO Salary VALUES (1, 'IVAN', 50000);
12 INSERT INTO Salary VALUES (2, 'VANYA', 60000);
13 INSERT INTO Salary VALUES (3, 'JOHN', 70000);
14 INSERT INTO Salary VALUES (4, 'GRISHA', 80000);
15 INSERT INTO Salary VALUES (5, 'SASHA', 90000);
16 INSERT INTO Salary VALUES (6, 'TANYA', 80000);
17 INSERT INTO Salary VALUES (7, 'OLEG', 70000);
18 INSERT INTO Salary VALUES (8, 'PETYA', 60000);
19 INSERT INTO Salary VALUES (9, 'LERA', 50000);
20 INSERT INTO Salary VALUES (10, 'EGOR', 90000);
```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 109 msec.



```
insert into salary values (11, 'DENY', 100000);
```

```
insert into employees values (11, 'igor', 'Shoper');
```

# Рабочая тетрадь №2

Query

Query History

1

Select \* from employees where name = 'IVan';

Data Output

Messages

Notifications

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	id [PK] integer 	name citext 	post text 
1	1	ivan	Teacher

Query Query History

```
1 Select * from salary where name = 'IVan';
```

Data Output Messages Notifications

       			
	id [PK] integer 	name citext 	count integer 
1	1	IVAN	50000

Query

Query History

```
1 select * from employees
2 inner join salary
3 on employees.id = salary.id;
```

Data Output

Messages

Notifications

	id integer	name citext	post text	id integer	name citext	count integer
1	1	ivan	Teacher	1	IVAN	50000
2	2	vanya	Sportsman	2	VANYA	60000
3	3	john	Policeman	3	JOHN	70000
4	4	grisha	Lawyer	4	GRISHA	80000
5	5	sasha	Doctor	5	SASHA	90000
6	6	tanya	Actor	6	TANYA	80000
7	7	oleg	Cook	7	OLEG	70000
8	8	petya	Postman	8	PETYA	60000
9	9	lera	Fireman	9	LERA	50000
10	10	egor	Seller	10	EGOR	90000
11	11	igor	Shoper	11	DENY	100000

# Рабочая тетрадь №2

Query Query History

```
1 select * from employees
2 inner join salary
3 on employees.name = salary.name;
```

Data Output Messages Notifications

	id integer	name citext	post text	id integer	name citext	count integer
1	10	egor	Seller	10	EGOR	90000
2	4	grisha	Lawyer	4	GRISHA	80000
3	1	ivan	Teacher	1	IVAN	50000
4	3	john	Policeman	3	JOHN	70000
5	9	lera	Fireman	9	LERA	50000
6	7	oleg	Cook	7	OLEG	70000
7	8	petya	Postman	8	PETYA	60000
8	5	sasha	Doctor	5	SASHA	90000
9	6	tanya	Actor	6	TANYA	80000
10	2	vanya	Sportsman	2	VANYA	60000

# Рабочая тетрадь №2

Query Query History

```
1 select * from employees
2 left join salary
3 on employees.name = salary.name;
```

Data Output Messages Notifications

	id integer	name citext	post text	id integer	name citext	count integer
1	10	egor	Seller	10	EGOR	90000
2	4	grisha	Lawyer	4	GRISHA	80000
3	11	igor	Shoper	[null]	[null]	[null]
4	1	ivan	Teacher	1	IVAN	50000
5	3	john	Policeman	3	JOHN	70000
6	9	lera	Fireman	9	LERA	50000
7	7	oleg	Cook	7	OLEG	70000
8	8	petya	Postman	8	PETYA	60000
9	5	sasha	Doctor	5	SASHA	90000
10	6	tanya	Actor	6	TANYA	80000
11	2	vanya	Sportsman	2	VANYA	60000

# Рабочая тетрадь №2

Query   Query History

```
1 select * from employees
2 left join salary
3 on employees.name = salary.name
4 where salary.name is null;
```

Data Output   Messages   Notifications

	id integer	name citext	post text	id integer	name citext	count integer
1	11	igor	Shoper	[null]	[null]	[null]

# Рабочая тетрадь №2

Query

Query History

```
1 select * from salary
2 left join employees
3 on employees.name = salary.name;
```

Data Output

Messages

Notifications

	id integer	name ciphertext	count integer	id integer	name ciphertext	post text
1	11	DENY	100000	[null]	[null]	[null]
2	10	EGOR	90000	10	egor	Seller
3	4	GRISHA	80000	4	grisha	Lawyer
4	1	IVAN	50000	1	ivan	Teacher
5	3	JOHN	70000	3	john	Policeman
6	9	LERA	50000	9	lera	Fireman
7	7	OLEG	70000	7	oleg	Cook
8	8	PETYA	60000	8	petya	Postman
9	5	SASHA	90000	5	sasha	Doctor
10	6	TANYA	80000	6	tanya	Actor
11	2	VANYA	60000	2	vanya	Sportsman



# Рабочая тетрадь №2

Query Query History

```
1 select * from salary
2 left join employees
3 on employees.name = salary.name
4 where employees.name is null;
```

Data Output Messages Notifications

	id integer	name citext	count integer	id integer	name citext	post text
1	11	DENY	100000	[null]	[null]	[null]

# Рабочая тетрадь №2

Query









Query History

```
1 select * from salary
2 full outer join employees
3 on employees.name = salary.name
4 where employees.name is null
5 or salary.name is null;
```

Data Output

Messages

Notifications



	id integer	name citext	count integer	id integer	name citext	post text
1	11	DENY	100000	[null]	[null]	[null]
2	[null]	[null]	[null]	11	igor	Shoper