

Object Explorer

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 - dept1
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 - order2
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 - Trigger Functions
 - Types
 - Views

testing/postgres@PostgreSQL 16

Query

```
1 SELECT dept_no, dname, dloc
2 FROM public.dept1;
```

Query History

Scratch Pad

Data Output

	dept_no [PK] integer	dname character	dloc character
1	10	accounts	bangalore
2	20	IT	delhi
3	30	production	chennai
4	40	sales	hyd
5	50	admin	london

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testing/postgres@... X testing/postgres@... X testing/postgres@... X testing/postgres@PostgreSQL 16*

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Query Query History

```
1 SELECT empno, deptno, ename, sal, hire_date, commission, mgr
2 FROM public.emp10;
```

Data Output Messages Notifications

	empno [PK] integer	deptno integer	ename character	sal integer	hire_date date	commission integer	mgr integer
1	1001	20	sachin	19000	1980-01-01	2100	1003
2	1002	10	kapil	15000	1970-01-01	2300	1003
3	1003	20	stefen	12000	1990-01-01	500	1007
4	1004	30	williams	9000	2001-01-01	[null]	1007
5	1005	30	john	5000	2005-01-01	[null]	1006
6	1006	10	dravid	19000	1985-01-01	2400	1007
7	1007	[null]	martin	21000	2000-01-01	1040	[null]

Object Explorer

public

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Tables (6)

customer2

dept1

emp10

order2

order_details2

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Query

Query History

Scratch Pad

1 SELECT * from emp10 where deptno=10;

Data Output

Messages

Notifications

empno [PK] integer

deptno integer

ename character

sal integer

hire_date date

commission integer

mgr integer

1

1002

10

kapil

15000

1970-01-01

2300

1003

2

1006

10

dravid

19000

1985-01-01

2400

1007

Object Explorer

public

Aggregates

Collations

Domains

FTS Configurations

FTS Dictionaries

FTS Parsers

FTS Templates

Foreign Tables

Functions

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Procedures

Sequences

Tables (6)

customer2

dept1

emp10

order2

order_details2

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Query

Query History

Scratch Pad

1

SELECT * from emp10 where deptno=30;

Data Output

Messages

Notifications

SQL

	empno [PK] integer	deptno integer	ename character	sal integer	hire_date date	commission integer	mgr integer
1	1004	30	williams	9000	2001-01-01	[null]	1007
2	1005	30	john	5000	2005-01-01	[null]	1006

Object Explorer

public

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> Sequences

Tables (6)

> customer2

> dept1

> emp10

> order2

> order_details2

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Query Query History

Scratch Pad

1 SELECT * from emp10 where ename like 's%';

Data Output Messages Notifications

empno [PK] integer deptno integer ename character sal integer hire_date date commission integer mgr integer

1 1001 20 sachin 19000 1980-01-01 2100 1003

2 1003 20 stefen 12000 1990-01-01 500 1007

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Query

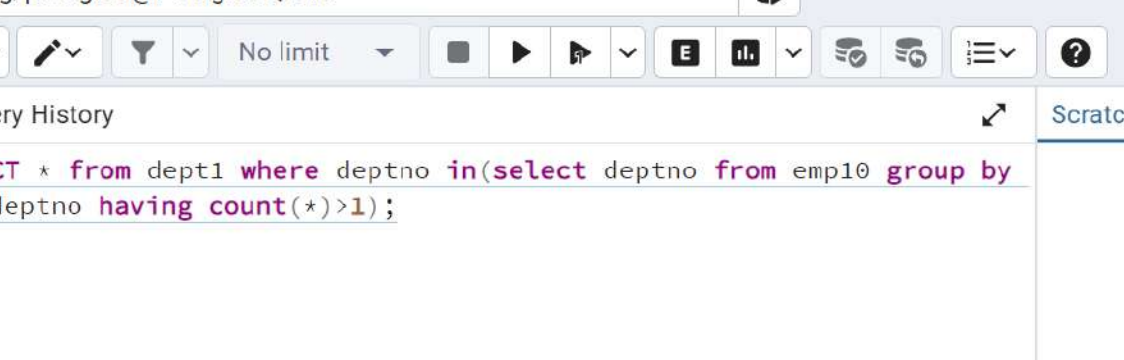
```
1 SELECT * from emp10 where extract(year from age(current_date,
2      hire_date))>2;
```

Query History

Scratch Pad

Data Output

	empno [PK] integer	deptno integer	ename character	sal integer	hire_date date	commission integer	mgr integer
1	1001	20	sachin	19000	1980-01-01	2100	1003
2	1002	10	kapil	15000	1970-01-01	2300	1003
3	1003	20	stefen	12000	1990-01-01	500	1007
4	1004	30	williams	9000	2001-01-01	[null]	1007
5	1005	30	john	5000	2005-01-01	[null]	1006
6	1006	10	dravid	19000	1985-01-01	2400	1007
7	1007	[null]	martin	21000	2000-01-01	1040	[null]













The screenshot shows a PostgreSQL IDE interface. At the top, there are several browser tabs, including 'testing/postgres@PostgreSQL 16*'. The main window displays a query editor with the following SQL query:

```
1 SELECT * from dept1 where deptno in(select deptno from emp10 group by
2 deptno having count(*)>1);
```

Below the query editor, the 'Data Output' tab is active, showing the results of the query in a table format:

	deptno [PK] integer	dname character	dloc character
1	10	accounts	bangalore
2	20	IT	delhi
3	30	production	chennai

testing/postgres@PostgreSQL 16



Query Query History

Scratch Pad

```
1 SELECT replace(ename,'a','#')as modifiedname from emp10;
```

Data Output Messages Notifications



	modifiedname 
1	s#chin
2	k#pil
3	stefen
4	willi#ms
5	john
6	dr#vid
7	m#rtin

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Query Query History

Scratch Pad X

```
1 SELECT e.ename,m.ename as "manager name" from emp10 e join emp10 m
2   on e.mgr=m.empno;
```

Data Output Messages Notifications



	ename character	manager name character
1	sachin	stefen
2	kapil	stefen
3	stefen	martin
4	williams	martin
5	john	dravid
6	dravid	martin

testing/postgres@PostgreSQL 16

File Edit View No limit Run Stop Refresh SQL Shell Help

Query Query History

Scratch Pad X

```
1 SELECT dname, sum(sal) from dept1, emp10 where dept1.deptno=emp10.deptno
2 group by dname;
```

Data Output Messages Notifications

Columns dname sum SQL

	dname character	sum bigint
1	accounts ...	34000
2	production ...	14000
3	IT	31000

	testing/postgres@PostgreSQL 16
---	--------------------------------

Folder Save Edit Filter No limit

Query Query History

Scratch Pad X

```
1  UPDATE public.emp10
2  set sal=sal*1.10;
```

Data Output Messages Notifications

UPDATE 7

Query returned successfully in 11 secs 648 msec.

testing/postgres@PostgreSQL 16

Icons: Folder, Save, Filter, No limit, Run, Stop, Refresh, Execute, View, Check, Uncheck, Sort, Help

Query Query History

```
1 UPDATE public.emp10
2   set sal=sal*1.10;
3 select sal from emp10;
```

Data Output Messages Notifications

Icons: Expand, Copy, Paste, Delete, Refresh, Download, SQL

	sal integer
1	25289
2	19965
3	15972
4	11979
5	6655
6	25289
7	27951

```
1 delete from emp10 where deptno in(select deptno from dept1
2 where dloc='chennai');
```

Data Output Messages Notifications

DELETE 2

Query returned successfully in 10 secs 418 msec.

The screenshot shows the pgAdmin 4 web interface. At the top, there are browser tabs for 'testing/postgres@...' and 'testing/postgres@PostgreSQL 16*'. The main toolbar includes icons for file operations, query execution, and settings. The 'Query' tab is active, displaying a SQL query: `UPDATE public.emp10 SET gross_sal=sal+commission;`. The 'Messages' tab is selected, showing the output: 'UPDATE 5' and 'Query returned successfully in 6 secs 902 msec.'.

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Icons: Folder, Save, Filter, No limit, Play, Stop, Run, E, Bar chart, Checkmark, Refresh, List, Help

Query Query History

```
1 alter table emp10
2 alter column ename type character(250)
3
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 10 secs 894 msec.

The screenshot displays the pgAdmin 4 web interface. At the top, there's a navigation bar with tabs for Properties, SQL, Statistics, Dependencies, Dependents, Processes, and a connection named 'testing/postgres@PostgreSQL 16*'. Below this is a toolbar with various icons for file operations, query execution, and settings. The main area is divided into two panes: 'Query' and 'Query History'. The 'Query' pane shows a single SQL statement: `SELECT now();`. To the right of the query editor is a 'Scratch Pad' area. Below the query editor, there's a section for 'Data Output', 'Messages', and 'Notifications'. The 'Data Output' section shows the result of the query as a table with one row containing the timestamp '2024-06-11 21:15:31.541739+05:30'.

	now timestamp with time zone
1	2024-06-11 21:15:31.541739+05:30

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Query Query History

Scratch Pad X

```
1 create table student(  
2     sno integer,  
3     sname character(20),  
4     saddress character(40),  
5     sage integer,  
6     sclass character varying(10)  
7 );  
8 select * from student;
```

Data Output Messages Notifications



sno	sname	saddress	sage	sclass
integer	character	character	integer	character varying (10)

▼	
---	---



```
1 select MIN(sal) as "minimum salary", MAX(sal) as "maximum salary", AVG(sal) as
2 "average salary" from emp10;
```

Data Output Messages Notifications



	minimum salary integer	maximum salary integer	average salary numeric
1	15972	27951	22893.200000000000

The screenshot displays the pgAdmin 4 web interface. At the top, there are tabs for Properties, SQL, Statistics, Dependencies, Dependents, and Processes. The main toolbar includes icons for connecting, saving, editing, filtering, and executing queries. The 'Query' tab is active, showing a SQL query that counts employees by department location. The 'Data Output' tab is also visible, showing the results of the query in a table format.

SQL Query:

```
1 select d.dloc, count(e.empno) as num_of_emp from dept1 d join emp10 e on
2    d.deptno=e.deptno group by d.dloc;
```

Query Results:

	dloc character	num_of_emp bigint
1	bangalore	2
2	delhi	2

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Query Query History

```
1 select ename from emp10 order by ename desc;
```

Data Output Messages Notifications



	ename character
1	stefen
2	sachin
3	martin
4	kapil
5	dravid

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Query Query History

```
1 create table emp_bkp as select * from emp10;  
2 select * from emp_bkp;
```

Data Output Messages Notifications



	empno integer	deptno integer	ename character
1	1001	20	sachin
2	1002	10	kapil
3	1003	20	stefen
4	1006	10	dravid
5	1007	[null]	martin

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Query Query History

```
1 select concat(substring(ename,1,3),sal) as result from emp10;
```

Data Output Messages Notifications



	result text
1	sac25289
2	kap19965
3	ste15972
4	dra25289
5	mar27951