

PostgreSQL ORDER BY

Dashboard Properties SQL Statistics Dependencies Dependents **dvdrental/postgres@PostgreSQL ***

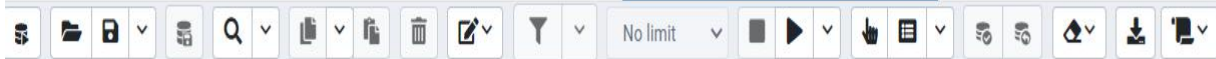
Query Editor Query History

```
--1) Using PostgreSQL ORDER BY clause to sort rows by one column  
SELECT  
    first_name,  
    last_name  
FROM  
    customer  
ORDER BY  
    first_name ASC;
```

Data Output Explain Messages Notifications

	first_name <small>character varying (45)</small>	last_name <small>character varying (45)</small>
1	Aaron	Selby
2	Adam	Gooch
3	Adrian	Clary
4	Agnes	Bishop
5	Alan	Kahn
6	Albert	Crouse
7	Alberto	Henning
8	Alex	Gresham
9	Alexander	Fennell
10	Alfred	Casillas

Successfully run. Total query runtime: 85 msec. 599 rows affected.



dvdrental/postgres@PostgreSQL ▾

Query Editor Query History

```
1  --3) Using PostgreSQL ORDER BY clause to sort rows by multiple columns
2
3  SELECT
4      first_name,
5      last_name
6  FROM
7      customer
8  ORDER BY
9      first_name ASC,
10     last_name DESC;
```

Data Output Explain Messages Notifications

	first_name character varying (45)	last_name character varying (45)
1	Aaron	Selby
2	Adam	Gooch
3	Adrian	Clary
4	Agnes	Bishop
5	Alan	Kahn
6	Albert	Crouse
7	Alberto	Henning
8	Alex	Gresham
9	Alexander	Fennell
10	Alfred	Casillas

✓ Successfully run. Total query runtime: 90 msec. 599 rows affected.



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Query Editor Query History




















```


1  --4) Using PostgreSQL ORDER BY clause to sort rows by expressions
2  SELECT
3      first_name,
4      LENGTH(first_name) len
5  FROM
6      customer
7  ORDER BY
8      len DESC;
    
```

Data Output Explain Messages Notifications

	first_name	len
	character varying (45)	integer
1	Christopher	11
2	Jacqueline	10
3	Constance	9
4	Katherine	9
5	Nathaniel	9
6	Catherine	9
7	Christian	9
8	Christine	9
9	Charlotte	9
10	Geraldine	9

Dashboard Properties SQL Statistics Dependencies Dependents **dvdrental/postgres@PostgreSQL ***



 dvdrental/postgres@PostgreSQL ▾

Query Editor Query History

```
1 -- create a new table
2 CREATE TABLE sort_demo(
3     num INT
4 );
5
6 -- insert some data
7 INSERT INTO sort_demo(num)
8 VALUES(1),(2),(3),(null);
```

Data Output Explain Messages Notifications

INSERT 0 4

Query returned successfully in 72 msec.

```

1  --returns data from the sort_demo table:
2  SELECT num FROM sort_demo ORDER BY num;
3
4  --the ORDER BY clause sorts values in the num column of the sort_demo table in ascending order.
5  --It places NULL after other values.
6  SELECT num FROM sort_demo ORDER BY num NULLS LAST;
7
8  --To place NULL before other non-null values, you use the NULLS FIRST
9  SELECT num FROM sort_demo ORDER BY num DESC;
10
11 --To reverse the order, you can use the NULLS LAST
12 SELECT num FROM sort_demo ORDER BY num DESC NULLS LAST;

```

	num
	integer 
1	3
2	2
3	1
4	[null]