

PostgreSQL EXISTS

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dvdrental/postgres@PostgreSQL ▾
Query Editor  Query History  Explain  Messages  Notifications

1  --the common coding convention is to write EXISTS in the following form:
2
3  SELECT
4      column1
5  FROM
6      table_1
7  WHERE
8      EXISTS( SELECT
9                1
10             FROM
11                 table_2
12             WHERE
13                 column 2 = table 1.column 1);
```

```
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1  --The following statement returns customers who have paid at least one rental with an amount greater than 11:
2
3  SELECT first_name,
4         last_name
5  FROM customer c
6  WHERE EXISTS
7      (SELECT 1
8       FROM payment p
9       WHERE p.customer_id = c.customer_id
10            AND amount > 11 )
11 ORDER BY first_name,
12          last_name;
```

Data Output

	first_name character varying (45)	last_name character varying (45)
1	Karen	Jackson
2	Kent	Arsenault
3	Nicholas	Barfield
4	Rosemary	Schmidt
5	Tanya	Gilbert
6	Terrance	Roush
7	Vanessa	Sims
8	Victoria	Gibson

Query Editor	Query History	Explain	Messages	Notificat
<pre> 1 --NOT EXISTS example 2 SELECT first_name, 3 last_name 4 FROM customer c 5 WHERE NOT EXISTS 6 (SELECT 1 7 FROM payment p 8 WHERE p.customer_id = c.customer_id 9 AND amount > 11) 10 ORDER BY first_name, 11 last_name; </pre>				
Data Output				
	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		

Query Editor	Query History	Explain	Messages	Notifications
<pre> 1 --If the subquery returns NULL, EXISTS returns true. See the following example: 2 3 SELECT 4 first_name, 5 last_name 6 FROM 7 customer 8 WHERE 9 EXISTS(SELECT NULL) 10 ORDER BY 11 first_name, 12 last_name; </pre>				
Data Output				
	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		

