

PostgreSQL Select Distinct

```
1 --CREATE TABLE statement to create the distinct_demo table that consists of three columns: id, bcolorand fcolor.
2 CREATE TABLE distinct_demo (
3     id serial NOT NULL PRIMARY KEY,
4     bcolor VARCHAR,
5     fcolor VARCHAR
6 );
```

```
1 --insert some rows into the distinct_demo table using the following INSERT statement:
2 INSERT INTO distinct_demo (bcolor, fcolor)
3 VALUES
4     ('red', 'red'),
5     ('red', 'red'),
6     ('red', NULL),
7     (NULL, 'red'),
8     ('red', 'green'),
9     ('red', 'blue'),
10    ('green', 'red'),
11    ('green', 'blue'),
12    ('green', 'green'),
13    ('blue', 'red'),
14    ('blue', 'green'),
15    ('blue', 'blue');
```

Data Output

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Query Editor	Query History	Explain	Messages
<pre>1 --distinct_demo table using the SELECT statement: 2 SELECT 3 id, 4 bcolor, 5 fcolor 6 FROM 7 distinct_demo ;</pre>			
Data Output			
	id [PK] integer	bcolor character varying	fcolor character varying
1	1	red	red
2	2	red	red
3	3	red	[null]
4	4	[null]	red

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Query Editor Query History Explain Messages

```
1 --selects unique values in the bcolor column from the t1 table and sorts the result set in alphabetical order by using the
2 SELECT
3     DISTINCT bcolor
4 FROM
5     distinct_demo
6 ORDER BY
7     bcolor;
```

Data Output

	bcolor character varying
1	blue
2	green
3	red
4	[null]

Query Editor Query History Explain Messages

```
1 --use the DISTINCT clause on multiple columns
2 SELECT
3     DISTINCT bcolor,
4     fcolor
5 FROM
6     distinct_demo
7 ORDER BY
8     bcolor,
9     fcolor;
```

Data Output

	bcolor character varying	fcolor character varying
1	blue	blue
2	blue	green
3	blue	red
4	green	blue
5	green	green

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Query Editor Query History Explain Messages

```
1 --sorts the result set by the bcolor and fcolor, and then for each group of duplicates, it keeps the first row in the returned result s
2 SELECT
3     DISTINCT ON (bcolor) bcolor,
4     fcolor
5 FROM
6     distinct_demo
7 ORDER BY
8     bcolor,
9     fcolor;
```

Data Output

	bcolor character varying	fcolor character varying
1	blue	blue
2	green	blue
3	red	blue
4	[null]	red

