

POSTGRESQL ANY OPERATOR

Query Editor Query History Explain Notifications Messages

```
1 --returns the maximum length of film grouped by film category
2 SELECT
3     MAX( length )
4 FROM
5     film
6 INNER JOIN film_category
7     USING(film_id)
8 GROUP BY
9     category_id;
```

Data Output

	max smallint
1	184
2	185
3	178
4	185
5	181
6	183
7	184
8	185
9	185
10	185


Query Editor Query History Explain Notifications Messages

```
1 --finds the films whose lengths are greater than or equal to the maximum length of any film category
2 SELECT title
3 FROM film
4 WHERE length >= ANY(
5     SELECT MAX( length )
6     FROM film
7     INNER JOIN film_category USING(film_id)
8     GROUP BY category_id );
```

Data Output

	title character varying (255)
1	Alley Evolution
2	Analyze Hoosiers
3	Anonymous Human
4	Baked Cleopatra
5	Casualties Encino

ANY vs. IN


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Query Editor Query History Explain Notifications

```
1  --gets the film whose category is either Action or Drama
2  SELECT
3      title,
4      category_id
5  FROM
6      film
7  INNER JOIN film_category
8      USING(film_id)
9  WHERE
10     category_id = ANY(
11         SELECT
12             category_id
13         FROM
14             category
15         WHERE
16             NAME = 'Action'
17             OR NAME = 'Drama'
18     );
```

Data Output Messages

	title character varying (255) 🔒	category_id smallint 🔒	
1	Amadeus Holy	1	
2	American Circus	1	
3	Antitrust Tomatoes	1	
4	Apollo Teen	7	
5	Ark Ridgemont	1	
6	Barefoot Manchurian	1	
7	Beauty Grease	7	

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Query Editor Query History Explain Notifications

```
1  --This statement uses the IN operator which produces the same result
2  SELECT
3      title,
4      category_id
5  FROM
6      film
7  INNER JOIN film_category
8      USING(film_id)
9  WHERE
10     category_id IN(
11         SELECT
12             category_id
13         FROM
14             category
15         WHERE
16             NAME = 'Action'
17             OR NAME = 'Drama'
18     );
```

Data Output Messages

	title character varying (255) 🔒	category_id smallint 🔒	
1	Amadeus Holy	1	
2	American Circus	1	
3	Antitrust Tomatoes	1	
4	Apollo Teen	7	
5	Ark Ridgemont	1	
6	Barefoot Manchurian	1	

✓

