

PostgreSQL GROUP BY

Query Editor Query History Explain Messages

```
1 --You can use the GROUP BY clause without applying an aggregate function.
2 --The following query gets data from the payment table and groups the result by customer id.
3 SELECT
4   customer_id
5 FROM
6   payment
7 GROUP BY
8   customer_id;
```

Data Output

	customer_id smallint	
1	184	
2	87	
3	477	
4	273	
5	550	
6	51	
7	394	
8	272	
9	70	
10	190	
11	350	
12	539	
13	554	

Query Editor Query History Explain Messages

```
1 --The following query uses the GROUP BY clause to get total amount that each customer has been paid:
2 SELECT
3   customer_id,
4   SUM (amount)
5 FROM
6   payment
7 GROUP BY
8   customer_id;
```

Data Output

	customer_id smallint		sum numeric	
1	184		80.80	
2	87		137.72	
3	477		106.79	
4	273		130.72	
5	550		151.69	
6	51		123.70	
7	394		77.80	
8	272		65.87	
9	70		75.83	
10	190		102.75	
11	350		63.79	
12	539		84.80	
13	554		95.80	

Query Editor Query History Explain Messages

```
1 --The following statement uses the ORDER BY clause with GROUP BY clause to sort the groups:
2
3 SELECT
4   customer_id,
5   SUM (amount)
6 FROM
7   payment
8 GROUP BY
9   customer_id
10 ORDER BY
11   SUM (amount) DESC;
```

Data Output

	customer_id smallint		sum numeric	
1	148		211.55	
2	526		208.58	
3	178		194.61	
4	137		191.62	
5	144		189.60	
6	459		183.63	
7	181		167.67	
8	410		167.62	
9	236		166.61	
10	403		162.67	
11	522		161.68	

Query Editor	Query History	Explain	Messages
<pre> 1 --this query joins the payment table with the customer table and group customers by their names. 2 3 SELECT 4 first_name ' ' last_name full_name, 5 SUM (amount) amount 6 FROM 7 payment 8 INNER JOIN customer USING (customer_id) 9 GROUP BY 10 full_name 11 ORDER BY amount DESC; </pre>			
Data Output			
	full_name text	amount numeric	
1	Eleanor Hunt	211.55	
2	Karl Seal	208.58	
3	Marion Snyder	194.61	
4	Rhonda Kennedy	191.62	
5	Clara Shaw	189.60	
6	Tommy Collazo	183.63	
7	Ana Bradley	167.67	
8	Curtis Irby	167.62	
9	Marcia Dean	166.61	
10	Mike Way	162.67	
11	Arnold Havens	161.68	

Query Editor	Query History	Explain	Messages
<pre> 1 --Using PostgreSQL GROUP BY with COUNT 2 SELECT 3 staff_id, 4 COUNT (payment_id) 5 FROM 6 payment 7 GROUP BY 8 staff_id; </pre>			
Data Output			
	staff_id smallint	count bigint	
1	1	7292	
2	2	7304	

Query Editor	Query History	Explain	Messages
<pre> 1 --Using PostgreSQL GROUP BY with multiple columns 2 3 SELECT 4 customer_id, 5 staff_id, 6 SUM(amount) 7 FROM 8 payment 9 GROUP BY 10 staff_id, 11 customer_id 12 ORDER BY 13 customer_id; </pre>			
Data Output			
	customer_id smallint	staff_id smallint	sum numeric
1	1	1	53.85
2	1	2	60.85
3	2	1	67.88
4	2	2	55.86
5	3	1	59.88
6	3	2	70.88
7	4	1	31.90
8	4	2	49.88
9	5	1	63.86
10	5	2	30.70

Query Editor

Query History

Explain

Messages

```

1  --Using PostgreSQL GROUP BY clause with date column
2
3  SELECT
4      DATE(payment_date) paid_date,
5      SUM(amount) sum
6  FROM
7      payment
8  GROUP BY
9      DATE(payment_date);

```

Data Output

	paid_date date	sum numeric	
1	2007-02-14	116.73	
2	2007-02-19	1290.90	
3	2007-02-20	1219.09	
4	2007-03-19	2617.69	
5	2007-04-26	347.21	
6	2007-04-08	2227.84	
7	2007-02-15	1188.92	
8	2007-04-28	2622.73	
9	2007-03-17	2442.16	
10	2007-03-20	2669.89	
11	2007-03-23	2342.43	
12	2007-03-21	2868.27	