

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views
- Subscriptions

music_database/postgres@PostgreSQL 17

Query

```
1 SELECT title, last_name, first_name
2 FROM employee
3 ORDER BY levels DESC
4 LIMIT 1
5
```

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

	title	last_name	first_name
1	Senior General Manager	Madan	Mohan

Total rows: 1 Query complete 00:00:00.209 CRLF Ln 5, Col 1

83°F Haze 20:07 06-08-2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views
- Subscriptions

music_database/postgres@PostgreSQL 17

Query

```
1 SELECT COUNT(*) AS c, billing_country
2 FROM invoice
3 GROUP BY billing_country
4 ORDER BY c DESC
5
```

Data Output Messages Notifications

Showing rows: 1 to 24 Page No: 1 of 1

	c	billing_country
1	131	USA
2	76	Canada
3	61	Brazil
4	50	France
5	41	Germany
6	30	Czech Republic

Total rows: 24 Query complete 00:00:00.082 CRLF Ln 5, Col 1

83°F Haze 20:07 06-08-2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views
- Subscriptions

music_database/postgres@PostgreSQL 17

Query

```
1 SELECT total
2 FROM invoice
3 ORDER BY total DESC
```

Data Output Messages Notifications

Showing rows: 1 to 614 Page No: 1 of 1

	total
1	23.759999999999998
2	19.8
3	19.8
4	19.8
5	19.8
6	18.81

Total rows: 614 Query complete 00:00:00.145 CRLF Ln 3, Col 20

83°F Haze 20:07 06-08-2025

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views

Properties X SQL X Statistics X Dependencies X Dependents X Processes X music_database/postgres@PostgreSQL 17*

Query Query History

```
1 SELECT customer.customer_id, first_name, last_name, SUM(total) AS total_spending
2 FROM customer
3 JOIN invoice ON customer.customer_id = invoice.customer_id
4 GROUP BY customer.customer_id
5 ORDER BY total_spending DESC
6 LIMIT 1;
```

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

customer_id [PK] integer	first_name character (50)	last_name character (50)	total_spending double precision	
1	5	R	Madhav	144.540000000000002

Successfully run. Total query runtime: 112 msec. 1 rows affected.

Total rows: 1 Query complete 00:00:00.112 CRLF Ln 7, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views

Properties X SQL X Statistics X Dependencies X Dependents X Processes X music_database/postgres@PostgreSQL 17*

Query Query History

```
1 SELECT DISTINCT email, first_name, last_name
2 FROM customer
3 JOIN invoice ON customer.customer_id = invoice.customer_id
4 JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_id
5 WHERE track_id IN(
6 SELECT track_id FROM track
7 JOIN genre ON track.genre_id = genre.genre_id
8 WHERE genre.name LIKE 'Rock'
9 )
10 ORDER BY email;
```

Data Output Messages Notifications

Showing rows: 1 to 59 Page No: 1 of 1

email character varying (50)	first_name character (50)	last_name character (50)
1 aaronmitchell@yahoo.ca	Aaron	Mitchell
2 alero@uol.com.br	Alexandre	Rocha
3 astrid.gruber@apple.at	Astrid	Gruber
4 bjorn.hansen@yahoo.no	Bjorn	Hansen
5 camille.bernard@yahoo.fr	Camille	Bernard
6 daan.peeters@apple.be	Daan	Peeters

Total rows: 59 Query complete 00:00:00.073 CRLF Ln 4, Col 51

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (11)
 - album
 - artist
 - customer
 - employee
 - genre
 - invoice
 - invoice_line
 - media_type
 - playlist
 - playlist_track
 - track
- Trigger Functions
- Types
- Views

Properties X SQL X Statistics X Dependencies X Dependents X Processes X music_database/postgres@PostgreSQL 17*

Query Query History

```
1 SELECT artist.artist_id, artist.name, COUNT(artist.artist_id) AS number_of_songs
2 FROM track
3 JOIN album ON album.album_id = track.album_id
4 JOIN artist ON artist.artist_id = album.artist_id
5 JOIN genre ON genre.genre_id = track.genre_id
6 WHERE genre.name LIKE 'Rock'
7 GROUP BY artist.artist_id
8 ORDER BY number_of_songs DESC
9 LIMIT 10;
```

Data Output Messages Notifications

Showing rows: 1 to 10 Page No: 1 of 1

artist_id [PK] character varying (50)	name character varying (120)	number_of_songs bigint
1 22	Led Zeppelin	114
2 150	U2	112
3 58	Deep Purple	92
4 90	Iron Maiden	81
5 118	Pearl Jam	54
6 152	Van Halen	

Successfully run. Total query runtime: 83 msec. 10 rows affected.

Total rows: 10 Query complete 00:00:00.083 CRLF Ln 10, Col 1