

Object Explorer Servers (1) PostgreSQL 17 Databases (2) customer Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas (1) Subscriptions postgres Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas Subscriptions Login/Group Roles Tablespaces

customer/postgres@PostgreSQL 17

Query

```
108 SELECT * FROM customers;
109
110 */
111 SELECT
112     c.first_name,
113     c.last_name,
114     o.order_id,
115     o.total_amount
116 FROM
117     customers AS c
118 INNER JOIN
119     orders AS o ON c.customer_id = o.customer_id
120 ORDER BY
121     o.order_date
122 LIMIT 1;
```

Data Output Messages Notifications

first_name	last_name	order_id	total_amount
John	Doe	1	999.99

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

Total rows: 1 Query complete 00:00:00.160 CRLF Ln 119, Col 9

Object Explorer Servers (1) PostgreSQL 17 Databases (2) customer Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas (1) Subscriptions postgres Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas Subscriptions Login/Group Roles Tablespaces

customer/postgres@PostgreSQL 17

Query

```
117 ORDER BY
118     o.order_date
119 LIMIT 1;
120 */
121 SELECT
122     c.first_name,
123     c.last_name,
124     o.order_id,
125     o.total_amount
126 FROM
127     customers AS c
128 LEFT JOIN
129     orders AS o ON c.customer_id = o.customer_id
130 ORDER BY
131     c.last_name;
```

Data Output Messages Notifications

first_name	last_name	order_id	total_amount
Emily	Davis	[null]	[null]
John	Doe	1	999.99
John	Doe	4	49.99
Robert	Johnson	3	149.99
Jane	Smith	2	239.98

Showing rows: 1 to 5 Page No: 1 of 1

Total rows: 5 Query complete 00:00:00.102 CRLF Ln 131, Col 17

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

customer/postgres@PostgreSQL 17

Query Query History

```
126 FROM
127     customers AS c
128 LEFT JOIN
129     orders AS o ON c.customer_id = o.customer_id
130 ORDER BY
131     c.last_name;*/
132 SELECT
133     c.first_name,
134     c.last_name,
135     o.order_id,
136     o.total_amount
137 FROM
138     customers AS c
139 RIGHT JOIN
140     orders AS o ON c.customer_id = o.customer_id;
```

Data Output Messages Notifications

Showing rows: 1 to 4 Page No: 1 of 1

	first_name character varying (50)	last_name character varying (50)	order_id integer	totalAmount numeric (12,2)
1	John	Doe	1	999.99
2	Jane	Smith	2	239.98
3	Robert	Johnson	3	149.99
4	John	Doe	4	49.99

Total rows: 4 Query complete 00:00:00.146 CRLF Ln 140, Col 50

customer/postgres@PostgreSQL 17

Query Query History

```
147 product_id IN (
148     SELECT
149         product_id
150     FROM
151         order_items
152     WHERE
153         order_id IN (
154             SELECT
155                 order_id
156             FROM
157                 orders
158             WHERE
159                 total_amount > 200
160         )
161 );
```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	product_name character varying (100)	price numeric (10,2)
1	Laptop Pro	999.99
2	Wireless Headphones	89.99

Total rows: 2 Query complete 00:00:00.139 CRLF Ln 161, Col 7

customer/postgres@PostgreSQL 17

Query

```
153         order_id IN (
154             SELECT
155                 order_id
156             FROM
157                 orders
158             WHERE
159                 total_amount > 200
160         )
161     );*/SELECT
162     SUM(price * stock_quantity) AS total_inventory_value,
163     AVG(price) AS average_product_price
164 FROM
165     products
166 WHERE
167     category = 'Electronics';
```

Data Output

	total_inventory_value numeric	average_product_price numeric
1	58998.50	544.99000000000000000000

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

Total rows: 1 Query complete 00:00:00.110 CRLF Ln 167, Col 30

Query

```
168 CREATE VIEW customer_order_summary AS
169 SELECT
170     c.customer_id,
171     c.first_name,
172     c.last_name,
173     COUNT(o.order_id) AS total_orders,
174     SUM(o.total_amount) AS total_spent
175 FROM
176     customers c
177 JOIN
178     orders o ON c.customer_id = o.customer_id
179 GROUP BY
180     c.customer_id,
181     c.first_name,
182     c.last_name;
```

Data Output

CREATE VIEW

Query returned successfully in 126 msec.

Total rows: Query complete 00:00:00.126 CRLF Ln 182, Col 17

Object Explorer Servers (1) PostgreSQL 17 Databases (2) customer Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas (1) Subscriptions postgres Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas Subscriptions Login/Group Roles Tablespaces

customer/postgres@PostgreSQL 17*

Query

```
SELECT
  c.customer_id,
  c.first_name,
  c.last_name,
  COUNT(o.order_id) AS total_orders,
  SUM(o.total_amount) AS total_spent
FROM
  customers c
JOIN
  orders o ON c.customer_id = o.customer_id
GROUP BY
  c.customer_id,
  c.first_name,
  c.last_name;
CREATE INDEX idx_orders_customer_id ON orders (customer_id);
```

Data Output Messages Notifications

CREATE INDEX

Query returned successfully in 56 msec.

Total rows: Query complete 00:00:00.056 CRLF Ln 183, Col 62

Object Explorer Servers (1) PostgreSQL 17 Databases (2) customer Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas (1) Subscriptions postgres Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas Subscriptions Login/Group Roles Tablespaces

customer/postgres@PostgreSQL 17*

Query

```
INSERT INTO suppliers (supplier_name, contact_person, email) VALUES
('TechGadgets Inc.', 'Mike Johnson', 'mike@techgadgets.com'),
('HomeEssentials Ltd.', 'Sarah Williams', 'sarah@homeessentials.com');
INSERT INTO employees (first_name, last_name, email, position, salary) VALUES
('David', 'Wilson', 'david@company.com', 'Manager', 75000.00),
('Lisa', 'Brown', 'lisa@company.com', 'Sales Associate', 45000.00);
*/
SELECT * FROM customers;
```

Data Output Messages Notifications

customer_id [PK] integer	first_name character varying (50)	last_name character varying (50)	email character varying (100)	phone character varying (20)	address text	city character varying (50)	state character varying (50)	zip_code character varying (10)
1	John	Doe	john.doe@email.com	[null]	[null]	New York	[null]	[null]
2	Jane	Smith	jane.smith@email.com	[null]	[null]	London	[null]	[null]
3	Robert	Johnson	robert.j@email.com	[null]	[null]	Chicago	[null]	[null]
4	Emily	Davis	emily.d@email.com	[null]	[null]	Sydney	[null]	[null]

Total rows: 4 Query complete 00:00:00.225 CRLF Ln 106, Col 24

pgAdmin 4

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customer/postgres@PostgreSQL 17*

Query Query History

```
1 -- Customers table
2 /*CREATE TABLE customers (
3     customer_id SERIAL PRIMARY KEY,
4     first_name VARCHAR(50) NOT NULL,
5     last_name VARCHAR(50) NOT NULL,
6     email VARCHAR(100) UNIQUE,
7     phone VARCHAR(20),
8     address TEXT,
9     city VARCHAR(50),
10    state VARCHAR(50),
11    zip_code VARCHAR(20),
12    country VARCHAR(50),
13    registration_date DATE DEFAULT CURRENT_DATE
14 );
```

Data Output Messages Notifications

Showing rows: 1 to 4 Page No: 1 of 1

	customer_id [PK] integer	first_name character varying (50)	last_name character varying (50)	email character varying (100)	phone character varying (20)	address text	city character varying (50)	state character varying (50)	zip_code character varying (20)
1	1	John	Doe	john.doe@email.com	[null]	[null]	New York	[null]	[null]
2	2	Jane	Smith	jane.smith@email.com	[null]	[null]	London	[null]	[null]
3	3	Robert	Johnson	robert.j@email.com	[null]	[null]	Chicago	[null]	[null]
4	4	Emily	Davis	emily.d@email.com	[null]	[null]	Sydney	[null]	[null]

Total rows: 4 Query completed: 2025-09-20 22:05:05 SQL F 1x105 0x104