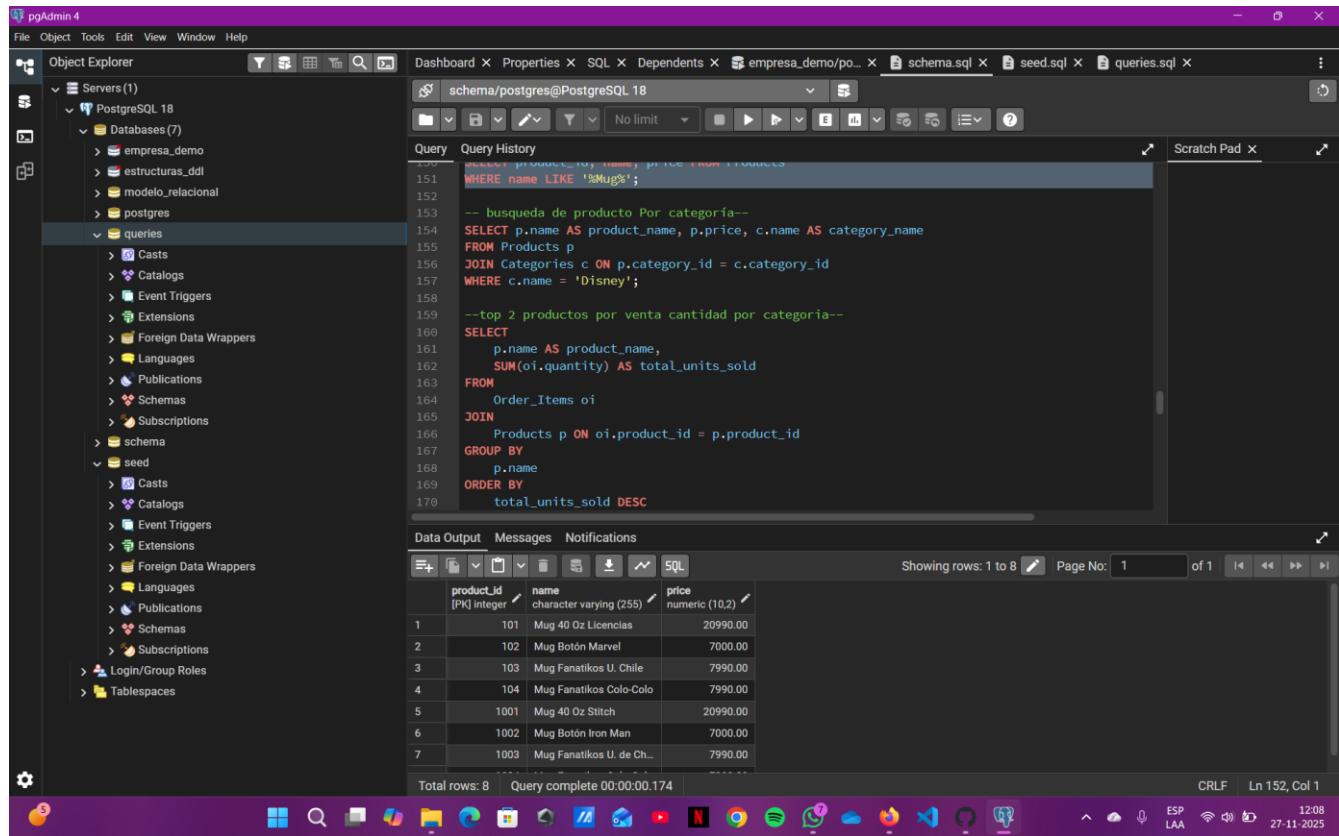


CONSULTAS PG ADMIN



The screenshot shows the pgAdmin 4 interface with the following details:

- Object Explorer:** Shows a tree view of servers, databases, and schema.
- Dashboard:** Shows the current connection to PostgreSQL 18.
- Properties:** Shows the properties of the current database.
- SQL:** Shows the SQL query being run.
- Dependents:** Shows dependencies for the current object.
- Queries:** Shows the results of the query in a table format.
- Data Output:** Shows the results of the query.
- Messages:** Shows any messages or notifications.
- Notifications:** Shows any notifications.
- Scratch Pad:** A workspace for writing and testing queries.

```

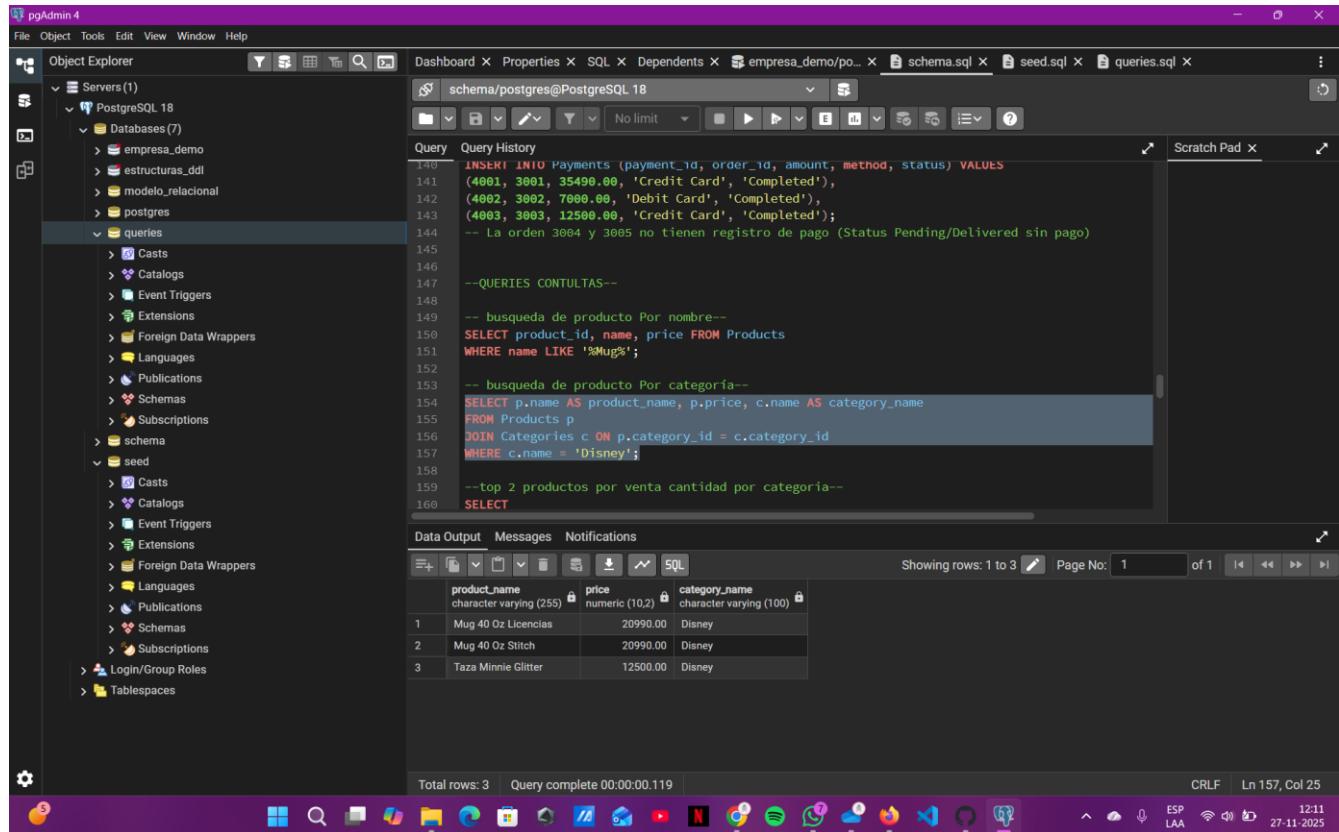
SELECT product_id, name, price FROM Products
WHERE name LIKE '%Mug%';

-- búsqueda de producto Por categoría--
SELECT p.name AS product_name, p.price, c.name AS category_name
FROM Products p
JOIN Categories c ON p.category_id = c.category_id
WHERE c.name = 'Disney';

--top 2 productos por venta cantidad por categoria--
SELECT
    p.name AS product_name,
    SUM(oi.quantity) AS total_units_sold
FROM
    Order_Items oi
JOIN
    Products p ON oi.product_id = p.product_id
GROUP BY
    p.name
ORDER BY
    total_units_sold DESC
  
```

product_id	name	price
101	Mug 40 Oz Licencias	20990.00
102	Mug Botón Marvel	7000.00
103	Mug Fanáticos U. Chile	7990.00
104	Mug Fanáticos Colo-Colo	7990.00
1001	Mug 40 Oz Stitch	20990.00
1002	Mug Botón Iron Man	7000.00
1003	Mug Fanáticos U. Ch...	7990.00

Primera Consulta sobre la búsqueda de producto por nombre.



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- Scratch Pad:** A workspace for writing and testing queries.

```

INSERT INTO Payments (payment_id, order_id, amount, method, status) VALUES
(4001, 3001, 35490.00, 'Credit Card', 'Completed'),
(4002, 3002, 7000.00, 'Debit Card', 'Completed'),
(4003, 3003, 12500.00, 'Credit Card', 'Completed');

-- La orden 3004 y 3005 no tienen registro de pago (Status Pending/Delivered sin pago)

--QUERIES CONSULTAS--

-- búsqueda de producto Por nombre--
SELECT product_id, name, price FROM Products
WHERE name LIKE '%Mug%';

-- búsqueda de producto Por categoría--
SELECT p.name AS product_name, p.price, c.name AS category_name
FROM Products p
JOIN Categories c ON p.category_id = c.category_id
WHERE c.name = 'Disney';

--top 2 productos por venta cantidad por categoria--
SELECT
    p.name AS product_name,
    SUM(oi.quantity) AS total_units_sold
FROM
    Order_Items oi
JOIN
    Products p ON oi.product_id = p.product_id
GROUP BY
    p.name
ORDER BY
    total_units_sold DESC
  
```

product_name	price	category_name
Mug 40 Oz Licencias	20990.00	Disney
Mug 40 Oz Stitch	20990.00	Disney
Taza Minnie Glitter	12500.00	Disney

Segunda consulta búsqueda de producto por categoría.

The screenshot shows the pgAdmin 4 interface with the following details:

- File Object Tools Edit View Window Help**
- Object Explorer** pane on the left, expanded to show **Servers (1)**, **PostgreSQL 18**, **Databases (7)**, **queries**, **schema**, **seed**, and **Login/Group Roles**.
- Dashboard Properties SQL Dependents schema_demo/postgres@PostgreSQL 18** tab selected.
- Query** tab content:

```
156 JOIN Categories c ON p.category_id = c.category_id
157 WHERE c.name = 'Disney';
158
--top 2 productos por venta cantidad por categoria--
159
SELECT
160     p.name AS product_name,
161     SUM(oi.quantity) AS total_units_sold
162
163     FROM
164         Order_Items oi
165     JOIN
166         Products p ON oi.product_id = p.product_id
167     GROUP BY
168         p.name
169     ORDER BY
170         total_units_sold DESC
171     LIMIT 2;
172
173 --ventas monto total por mes y por categoria solo de pedidos entregados--
174
SELECT
175     STRFTIME('%Y-%m', o.order_date) AS sales_month, --TO_CHAR --
```
- Data Output** tab content:

product_name	total_units_sold
Taza Minnie Glitter	2
Mug Fanatikos U. de Ch...	1
- Messages Notifications** tabs at the bottom.
- Total rows: 2 Query complete 00:00:00.162** status bar.
- CRLF Ln 171, Col 9** status bar.
- Taskbar icons** at the bottom.

consulta top de productos por venta El más vendido.

The screenshot shows the pgAdmin 4 interface with the following details:

- File Object Tools Edit View Window Help**
- Object Explorer** pane on the left:
 - Servers(1) > PostgreSQL 18
 - Databases(7)
 - empresa_demo
 - estructuras_ddl
 - modelo_relacional
 - postgres
 - queries
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - schema
 - seed
 - seed
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - Login/Group Roles
 - Tablespaces
 - Dashboard X Properties X SQL X Dependents X**
 - schema.postgres@PostgreSQL 18** tab selected.
 - schema.sql**, **seed.sql**, and **queries.sql** tabs are also present.
 - Query History** pane shows the following SQL code:

```
FROM
    Orders o
JOIN
    Order_Items oi ON o.order_id = oi.order_id
JOIN
    Products p ON oi.product_id = p.product_id
JOIN
    Categories c ON p.category_id = c.category_id
WHERE
    o.status = 'Delivered'
GROUP BY
    sales_month, category_name
ORDER BY
    sales_month DESC, monthly_category_revenue DESC;
--rango de Noviembre 2025 (KPI: Valor Promedio del Pedido)--
SELECT
    AVG(total_amount) AS average_ticket_clp
FROM
    Orders
```
 - Data Output** pane displays the results of the query:

	sales_month	category_name	monthly_category_revenue
1	2025-11	Disney	12500.00
2	2025-11	Marvel	7000.00
3	2025-10	Disney	70980.00
4	2025-09	Marvel	4500.00

Total rows: 4 Query complete 00:00:00.156
 - Scratch Pad X**
 - Bottom status bar: CRLF Ln 191, Col 53, with icons for network, battery, and system status.

Total de montos de ventas por mes de pedidos entregados.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Servers (1)
 - PostgreSQL 18
 - Databases (7)
 - empresa_demo
 - estructuras_ddl
 - modelo_relacional
 - postgres
 - queries
 - Casts
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 - Tablespaces

Dashboard Properties SQL Dependents schema/postgres@PostgreSQL 18 schema.sql seed.sql queries.sql

Query History

```

188 GROUP BY
189   sales_month, category_name
190 ORDER BY
191   sales_month DESC, monthly_category_revenue DESC;
192
--rango de Noviembre 2025 (KPI: Valor Promedio del Pedido)-
193 SELECT
194   AVG(total_amount) AS average_ticket_clp
195 FROM
196   Orders
197 WHERE
198   order_date >= '2025-11-01' AND order_date < '2025-12-01'
199   AND status = 'Delivered';
200
--Productos con stock bajo-
201 SELECT
202   p.name AS product_name,
203   i.stock_quantity
204   FROM
205   Products p
206   JOIN
207   Inventory i ON p.product_id = i.product_id
208 WHERE
209   i.stock_quantity < 10
210   AND i.stock_quantity > 0 -- Excluye productos agotados si es necesario
211 ORDER BY
212   i.stock_quantity ASC;
213
--Clientes Frecuentes (Clientes con ≥ 3 órdenes)-
214 SELECT
215   c.first_name
216
217
218

```

Data Output Messages Notifications

average_ticket_clp	numeric
9750.000000000000000000	

Total rows: 1 Query complete 00:00:00.091 CRLF Ln 200, Col 30

promedio noviembre.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Servers (1)
 - PostgreSQL 18
 - Databases (7)
 - empresa_demo
 - estructuras_ddl
 - modelo_relacional
 - postgres
 - queries
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
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 - Schemas
 - Subscriptions
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Dependents schema/postgres@PostgreSQL 18 schema.sql seed.sql queries.sql

Query History

```

198 WHERE
199   order_date >= '2025-11-01' AND order_date < '2025-12-01'
200   AND status = 'Delivered';
201
--Productos con stock bajo-
202 SELECT
203   p.name AS product_name,
204   i.stock_quantity
205   FROM
206   Products p
207   JOIN
208   Inventory i ON p.product_id = i.product_id
209 WHERE
210   i.stock_quantity < 10
211   AND i.stock_quantity > 0 -- Excluye productos agotados si es necesario
212 ORDER BY
213   i.stock_quantity ASC;
214
--Clientes Frecuentes (Clientes con ≥ 3 órdenes)-
215 SELECT
216   c.first_name
217
218
219

```

Data Output Messages Notifications

product_name	stock_quantity
Mug Botón Iron Man	5

Total rows: 1 Query complete 00:00:00.089 CRLF Ln 214, Col 26

Producto con bajo stock.

The screenshot shows the pgAdmin 4 interface. In the Object Explorer, under the 'queries' folder, there is a file named 'queries.sql'. The main pane displays a SQL query:

```
    AND i.stock_quantity > 0 -- Excluye productos agotados si es necesario
ORDER BY
    i.stock_quantity ASC;

--Clientes Frecuentes (Clientes con ≥ 3 órdenes)--
SELECT
    c.first_name,
    c.last_name,
    COUNT(o.order_id) AS total_orders
FROM
    Customers c
JOIN
    Orders o ON c.customer_id = o.customer_id
GROUP BY
    c.customer_id, c.first_name, c.last_name
HAVING
    COUNT(o.order_id) >= 3;
```

The Data Output tab shows the results of the query:

	first_name	last_name	total_orders
1	Natalia	Perez	3

At the bottom, a message indicates the query was successfully run: "Successfully run. Total query runtime: 123 msec. 1 rows affected." The status bar shows the date and time: "27-11-2025 12:20".

Clientes frecuentes.