VISTAS.

* Crear vista (vw\_ventas\_mes)

**CREATE** **VIEW** vw\_ventas\_mes **AS**

**SELECT**

**TO\_CHAR**(o.order\_date, 'YYYY-MM') **AS** mes,

**SUM**(od.quantity \* od.unit\_price) **AS** totalventas

**FROM** orders o

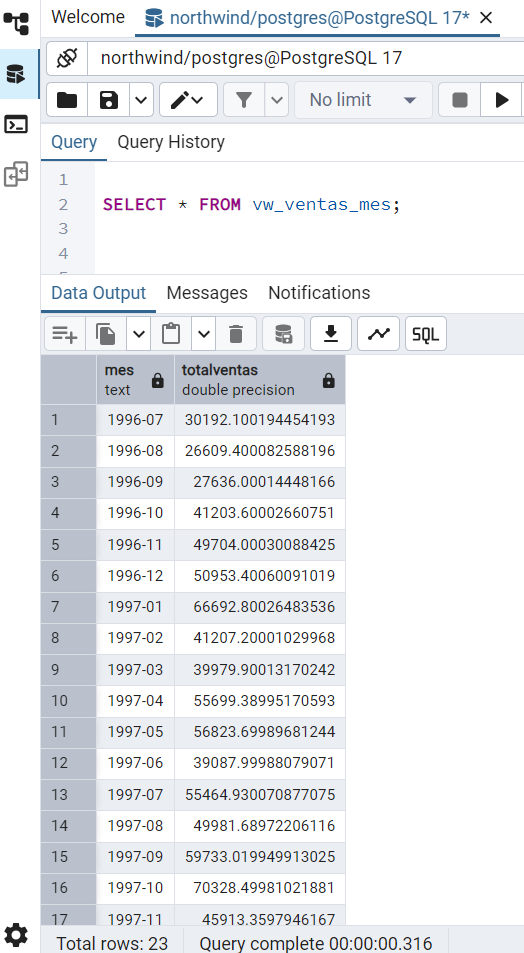
**JOIN** order\_details od **ON** o.order\_id = od.order\_id

**GROUP** **BY** **TO\_CHAR**(o.order\_date, 'YYYY-MM')

**ORDER** **BY** mes;

Ejecutar la vista creada:

**SELECT** \* **FROM** vw\_ventas\_mes;



* vw\_ventas\_diarias - Tendencia de los últimos 30 días

**CREATE** **OR** **REPLACE** VIEW vw\_ventas\_diarias **AS**

**SELECT**

o.order\_date::**date** **AS** fecha,

SUM(od.quantity \* od.unit\_price) **AS** totalventas

**FROM** orders o

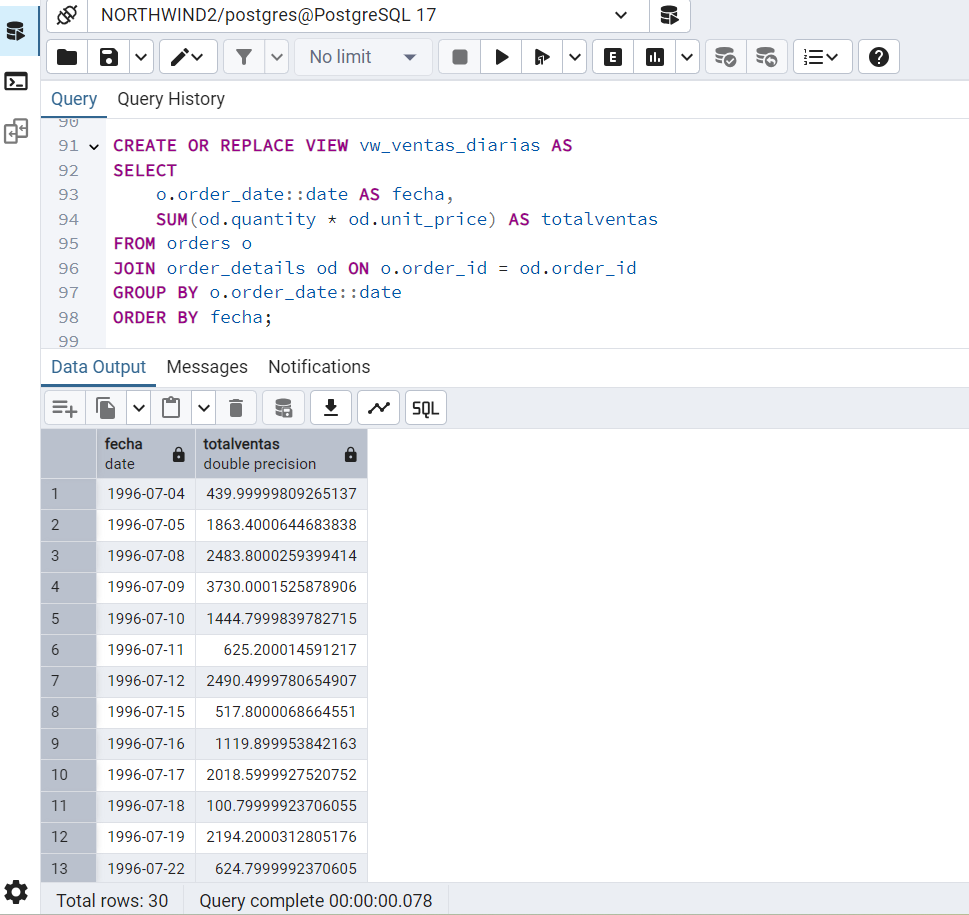
**JOIN** order\_details od **ON** o.order\_id = od.order\_id

**GROUP** **BY** o.order\_date::**date**

**ORDER** **BY** fecha;

Ejecutar la vista creada:

**SELECT** \* **FROM** vw\_ventas\_diarias **LIMIT** 30;



* VIEW vw\_ventas\_empleado

**CREATE** **OR** **REPLACE** VIEW vw\_ventas\_empleado **AS**

**SELECT**

e.employee\_id,

CONCAT(e.first\_name, ' ', e.last\_name) **AS** empleado,

**SUM**(od.quantity \* od.unit\_price) **AS** totalventas

**FROM** orders o

**JOIN** employees e **ON** o.employee\_id = e.employee\_id

**JOIN** order\_details od **ON** o.order\_id = od.order\_id

**GROUP** **BY** e.employee\_id, e.first\_name, e.last\_name

**ORDER** **BY** totalventas **DESC**;

* vw\_top\_productos - Ranking de productos más vendidos

**CREATE** **OR** **REPLACE** VIEW vw\_top\_productos **AS**

**SELECT**

p.product\_id,

p.product\_name **AS** nombre\_producto,

SUM(od.quantity) **AS** total\_unidades\_vendidas,

**ROUND**(**CAST**(**SUM**(od.quantity \* od.unit\_price \* (1 - od.discount)) **AS** **numeric**), 4) **AS** total\_ingresos

**FROM**

order\_details od

**JOIN**

products p **ON** od.product\_id = p.product\_id

**GROUP** **BY**

p.product\_id, p.product\_name

**ORDER** **BY**

total\_unidades\_vendidas **DESC**;

* vw\_top\_clientes - Mejores clientes por volumen

**CREATE** **OR** **REPLACE** VIEW vw\_top\_clientes **AS**

**SELECT**

c.customer\_id **AS** id\_cliente,

c.company\_name **AS** nombre\_cliente,

ROUND(**CAST**(**SUM**(od.unit\_price \* od.quantity \* (1 - od.discount)) **AS** **numeric**), 4) **AS** total\_comprado

**FROM**

customers c

**JOIN**

orders o **ON** c.customer\_id = o.customer\_id

**JOIN**

order\_details od **ON** o.order\_id = od.order\_id

**GROUP** **BY**

c.customer\_id, c.company\_name

**ORDER** **BY**

total\_comprado **DESC**;

* vw\_ventas\_categoria - Distribución de ventas por categoría

**CREATE** **OR** **REPLACE** VIEW vw\_ventas\_categoria **AS**

**SELECT**

c.category\_id,

c.category\_name,

ROUND(**CAST**(**SUM**(od.unit\_price \* od.quantity \* (1 - od.discount)) **AS** **numeric**), 2) **AS** total\_ventas

**FROM**

order\_details od

**JOIN**

products p **ON** od.product\_id = p.product\_id

**JOIN**

categories c **ON** p.category\_id = c.category\_id

**GROUP** **BY**

c.category\_id, c.category\_name

**ORDER** **BY**

total\_ventas **DESC**;

* vw\_ventas\_pais - Participación por países

**CREATE** **OR** **REPLACE** VIEW vw\_ventas\_pais **AS**

**SELECT**

c.country,

ROUND(**CAST**(**SUM**(od.unit\_price \* od.quantity \* (1 - od.discount)) **AS** **numeric**), 2) **AS** total\_ventas

**FROM**

customers c

**JOIN**

orders o **ON** c.customer\_id = o.customer\_id

**JOIN**

order\_details od **ON** o.order\_id = od.order\_id

**GROUP** **BY**

c.country

**ORDER** **BY**

total\_ventas **DESC**;