1. ¿Cuáles son los datos de los almacenes que tiene la compañía? Se necesita:
   * + Identificador del almacén.
     + Nombre del almacén.
     + Nombre de la ciudad, país y región donde está ubicado.

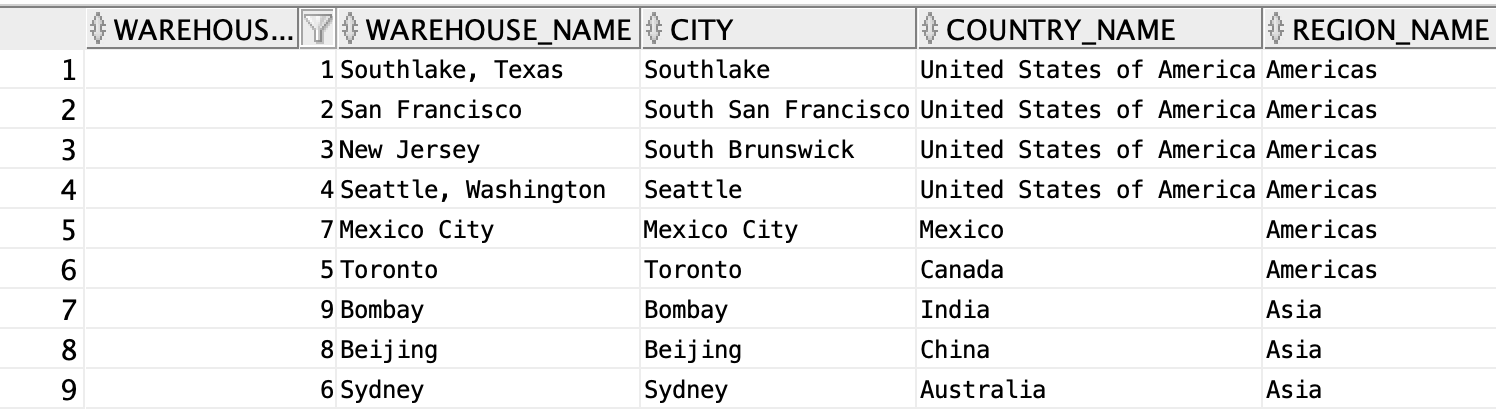
SELECT w.warehouse\_id, w.warehouse\_name, l.city, c.country\_name, r.region\_name

FROM warehouses w

INNER JOIN locations l on l.location\_id = w.location\_id

INNER JOIN countries c on c.country\_id = l.country\_id

INNER JOIN regions r on r.region\_id = c.region\_id



1. ¿Cuál es el nombre del producto que tiene más stock en Europa? **No hay productos en europa.**

SELECT p.product\_name, i.quantity, r.region\_name

FROM products p

INNER JOIN inventories i ON i.product\_id = p.product\_id

INNER JOIN warehouses w ON w.warehouse\_id = i.warehouse\_id

INNER JOIN locations l ON l.location\_id = w.location\_id

INNER JOIN countries c ON c.country\_id = l.country\_id

INNER JOIN regions r ON r.region\_id = c.region\_id

WHERE r.region\_name = 'Europe'

ORDER BY i.quantity DESC

1. **¿Cuál es el producto que ha vendido más unidades durante 2016?**
   1. **Asus TUF X299 MARK 1**

SELECT p.product\_name, SUM(oi.quantity) as sum

FROM orders o

INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

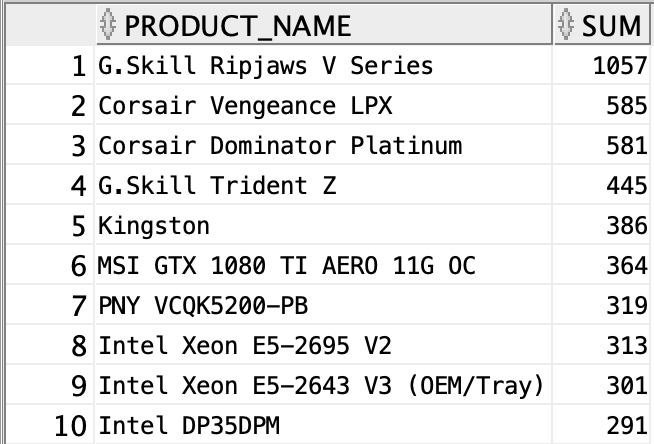
INNER JOIN products p ON p.product\_id = oi.product\_id

WHERE o.status = 'Shipped'

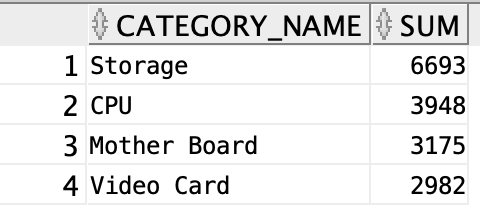
AND o.order\_date BETWEEN '01/01/16' AND '01/01/17'

GROUP BY p.product\_name

ORDER BY sum desc



1. **¿Cuál es la categoría de productos que ha vendido más unidades durante 2017?**

****

SELECT pc.category\_name, SUM(oi.quantity) as sum

FROM orders o

INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

INNER JOIN products p ON p.product\_id = oi.product\_id

INNER JOIN product\_categories pc ON pc.category\_id = p.category\_id

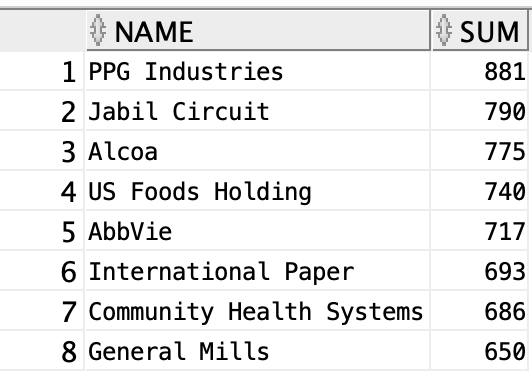
WHERE o.status = 'Shipped'

AND o.order\_date BETWEEN '01/01/17' AND '01/01/18'

GROUP BY pc.category\_name

ORDER BY sum desc

1. **¿Cuál es el nombre del cliente cuyo gasto ha sido más alto en 2015?**

****

SELECT cu.name, SUM(oi.quantity) as sum

FROM customers cu

INNER JOIN orders o ON o.customer\_id = cu.customer\_id

INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

INNER JOIN products p ON p.product\_id = oi.product\_id

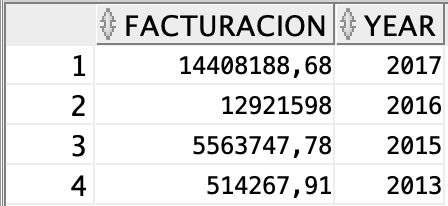
WHERE o.status = 'Shipped'

AND o.order\_date BETWEEN '01/01/15' AND '01/01/16'

GROUP BY cu.name

ORDER BY 2 DESC

1. **¿Cuánto ha facturado la compañía en cada uno de los años de los que tiene datos?**

****

SELECT SUM(oi.quantity \* oi.unit\_price) as Facturacion, EXTRACT(YEAR FROM o.order\_date) AS year

FROM customers cu

INNER JOIN orders o ON o.customer\_id = cu.customer\_id

INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

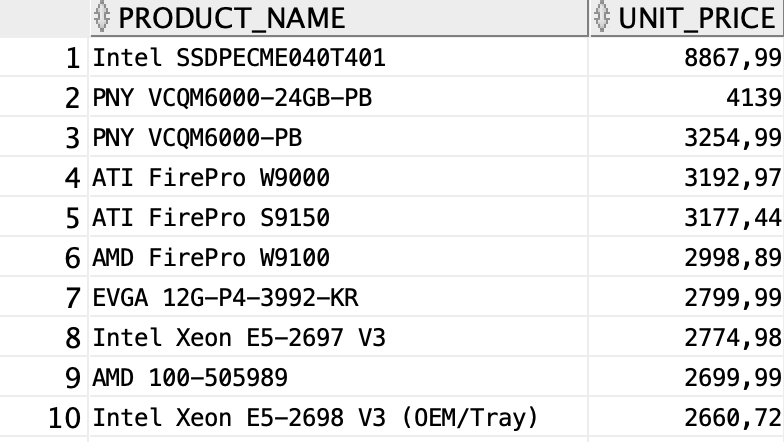
INNER JOIN products p ON p.product\_id = oi.product\_id

WHERE o.status = 'Shipped'

GROUP BY EXTRACT(YEAR FROM o.order\_date)

ORDER BY EXTRACT(YEAR FROM o.order\_date) DESC

1. ¿Cuáles son los nombres de los productos cuyo precio es superior la media?



SELECT DISTINCT(p.product\_name), oi.unit\_price

FROM customers cu

INNER JOIN orders o ON o.customer\_id = cu.customer\_id

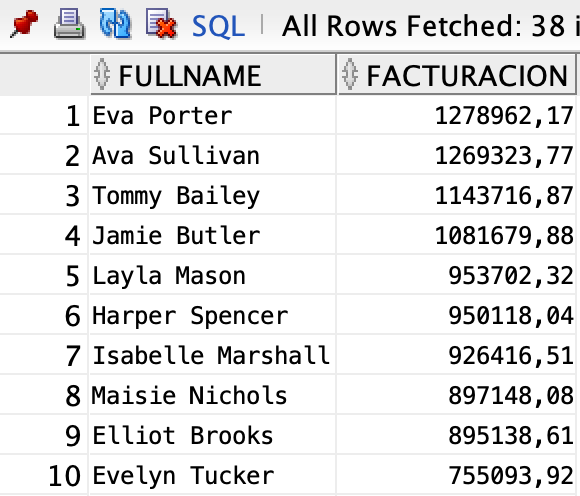
INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

INNER JOIN products p ON p.product\_id = oi.product\_id

WHERE oi.unit\_price > (SELECT AVG(oi.unit\_price) FROM order\_items oi)

ORDER BY oi.unit\_price DESC

1. ¿Cuáles son los empleados (nombre y apellido) que han vendido más de 50K durante 2017?



SELECT e.first\_name ||' '|| e.last\_name AS fullname, SUM(oi.quantity \* oi.unit\_price) as Facturacion

FROM orders o

INNER JOIN employees e ON e.employee\_id = o.order\_id

INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

WHERE o.order\_date BETWEEN '01/01/17' AND '01/01/18'

HAVING SUM(oi.quantity \* oi.unit\_price) > 50000

GROUP BY e.first\_name ||' '|| e.last\_name

ORDER BY SUM(oi.quantity \* oi.unit\_price) DESC

1. ¿Cuánto clientes no tienen persona de contacto?
2. ¿Cuál es el Manager (nombre y apellido identificado por el campo manager\_id) que menos ha vendido durante 2017?