**M1B1T1\_AI1\_EricssonMarc**

**1.** ¿Cuáles son los datos de los almacenes que tiene la compañía? Se necesita:

SELECT

w.warehouse\_id,

w.warehouse\_name,

l.city,

c.country\_name,

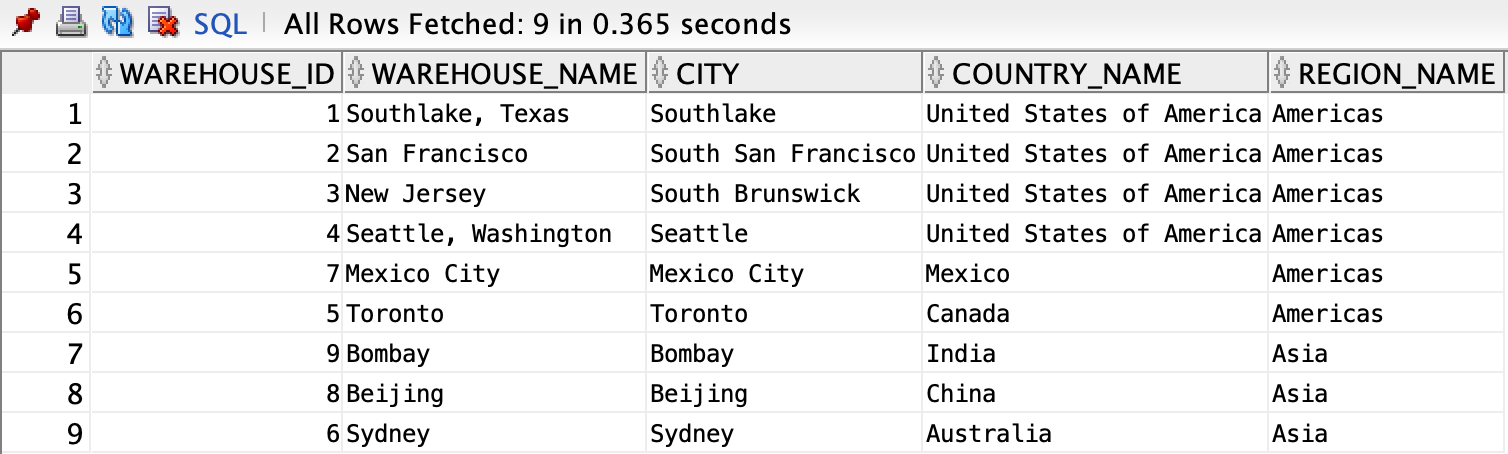
r.region\_name

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



**2.** ¿Cuál es el nombre del producto que tiene más stock en Europa?

SELECT \*

FROM

(SELECT

p.product\_name,

SUM(i.quantity) as quantity

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

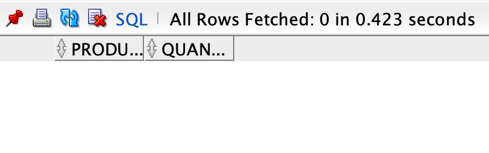
INNER JOIN regions r ON r.region\_id = c.region\_id

WHERE r.region\_name = 'Europe'

GROUP BY p.product\_name

ORDER BY SUM(i.quantity) DESC)

WHERE ROWNUM = 1



**3.** ¿Cuál es el producto que ha vendido más unidades durante 2016?

SELECT \*

FROM

(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

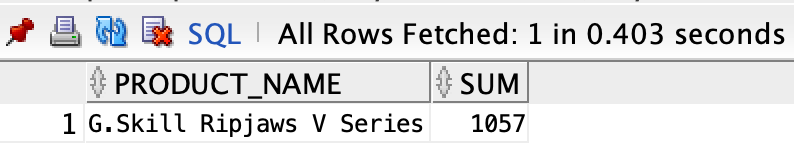
WHERE o.status = 'Shipped'

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

GROUP BY p.product\_name

ORDER BY sum desc)

WHERE ROWNUM = 1



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

SELECT \*

FROM

(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

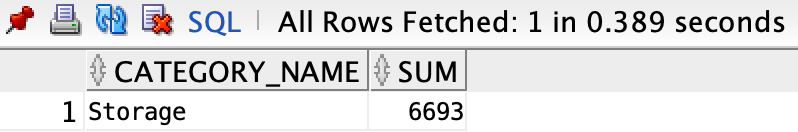
WHERE o.status = 'Shipped'

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

GROUP BY pc.category\_name

ORDER BY sum desc)

WHERE ROWNUM = 1



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

SELECT \*

FROM

(SELECT

cu.name,

SUM(oi.quantity \* oi.unit\_price) 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

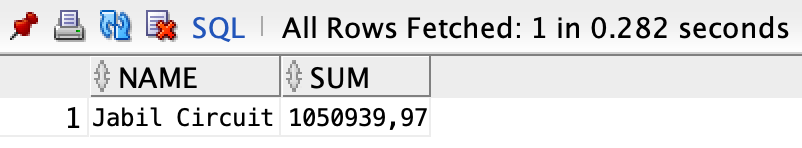
WHERE o.status = 'Shipped'

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

GROUP BY cu.name

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

WHERE ROWNUM = 1



**6.** ¿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

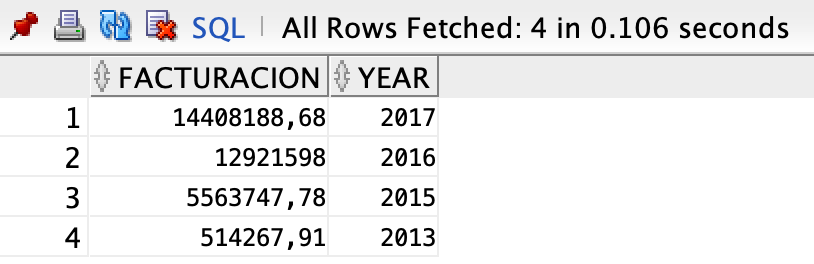
INNER JOIN order\_items oi ON oi.order\_id = o.order\_id

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



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

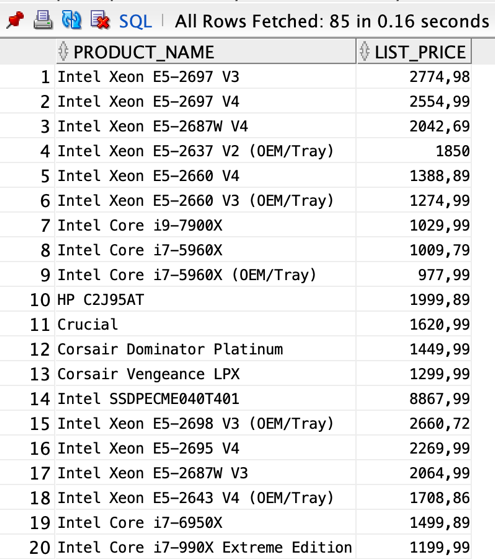
SELECT

DISTINCT(p.product\_name),

p.list\_price

FROM products p

WHERE list\_price > (SELECT AVG(list\_price) FROM products p)



**8.** ¿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.salesman\_id

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

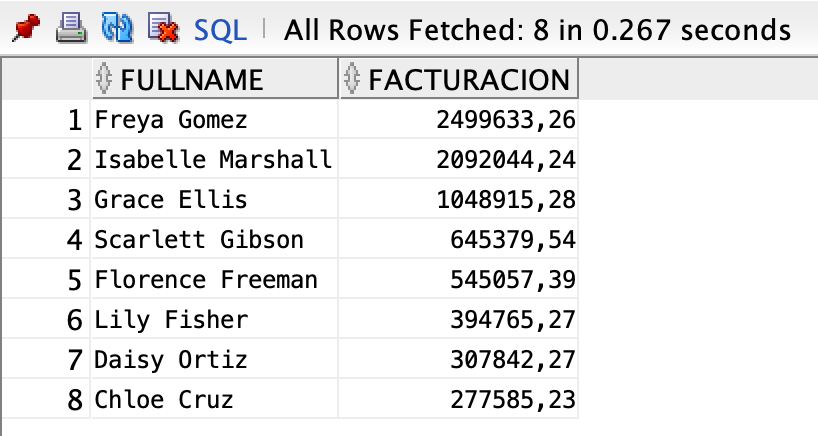
WHERE o.order\_date BETWEEN '01/01/17' AND '01/01/18'

AND o.status = 'Shipped'

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



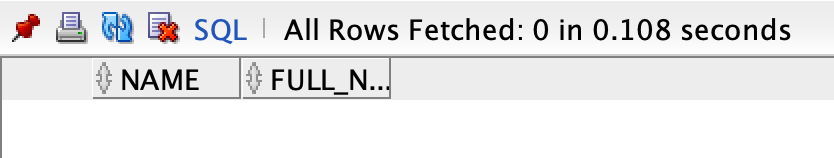
**9.** ¿Cuánto clientes no tienen persona de contacto?

SELECT cu.name, co.first\_name ||' '|| co.last\_name AS full\_name

FROM customers cu

LEFT JOIN contacts co ON co.customer\_id = cu.customer\_id

WHERE co.first\_name ||' '|| co.last\_name = '' OR co.first\_name ||' '|| co.last\_name IS NULL



10. ¿Cuál es el Manager (nombre y apellido identificado por el campo manager\_id) que menos ha vendido durante 2017?

SELECT \*

FROM(

SELECT

m.first\_name,

m.last\_name,

t.facturacion

FROM employees m

INNER JOIN (

SELECT

e.manager\_id,

SUM(oi.quantity \* oi.unit\_price) as facturacion

FROM employees e

INNER JOIN orders o ON o.salesman\_id = e.employee\_id

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

WHERE o.order\_date BETWEEN '01/01/2017' AND '01/01/2018'

AND o.status = 'Shipped'

GROUP BY e.manager\_id

ORDER BY SUM(oi.quantity \* oi.unit\_price)) t ON t.manager\_id = m.employee\_id)

WHERE ROWNUM = 1

