





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
```

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	WAREHOUSE_ID	WAREHOUSE_NAME	CITY	COUNTRY_NAME	REGION_NAME
1	1	Southlake, Texas	Southlake	United States of America	Americas
2	2	San Francisco	South San Francisco	United States of America	Americas
3	3	New Jersey	South Brunswick	United States of America	Americas
4	4	Seattle, Washington	Seattle	United States of America	Americas
5	7	Mexico City	Mexico City	Mexico	Americas
6	5	Toronto	Toronto	Canada	Americas
7	9	Bombay	Bombay	India	Asia
8	8	Beijing	Beijing	China	Asia
9	6	Sydney	Sydney	Australia	Asia

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
```

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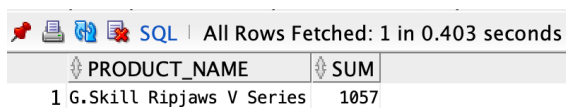
3. ¿Cuál es el producto que ha vendido más unidades durante 2016?

```
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
```



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PRODUCT_NAME	SUM
1 G.Skill Ripjaws V Series	1057

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

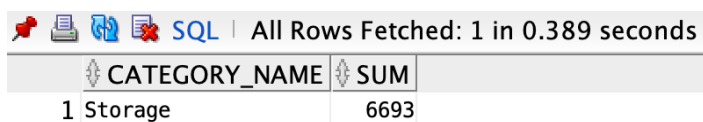
```
SELECT *
FROM
(SELECT
  pc.category_name,
  SUM(oi.quantity) as sum

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
```



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CATEGORY_NAME	SUM
1 Storage	6693

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

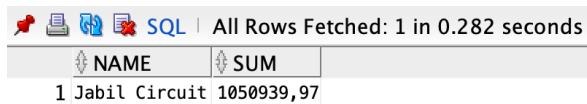
FROM customers cu
INNER JOIN orders o ON o.customer_id = cu.customer_id
INNER JOIN order_items oi ON oi.order_id = o.order_id
INNER JOIN products p ON p.product_id = oi.product_id

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
```



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	NAME	SUM
1	Jabil Circuit	1050939,97

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

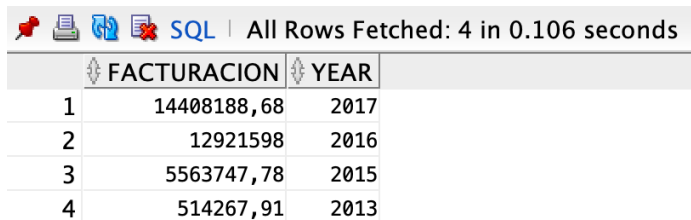
```
SELECT
    SUM(oi.quantity * oi.unit_price) as Facturacion,
    EXTRACT(YEAR FROM o.order_date) AS year

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
```



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	FACTURACION	YEAR
1	14408188,68	2017
2	12921598	2016
3	5563747,78	2015
4	514267,91	2013

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)
```

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	PRODUCT_NAME	LIST_PRICE
1	Intel Xeon E5-2697 V3	2774,98
2	Intel Xeon E5-2697 V4	2554,99
3	Intel Xeon E5-2687W V4	2042,69
4	Intel Xeon E5-2637 V2 (OEM/Tray)	1850
5	Intel Xeon E5-2660 V4	1388,89
6	Intel Xeon E5-2660 V3 (OEM/Tray)	1274,99
7	Intel Core i9-7900X	1029,99
8	Intel Core i7-5960X	1009,79
9	Intel Core i7-5960X (OEM/Tray)	977,99
10	HP C2J95AT	1999,89
11	Crucial	1620,99
12	Corsair Dominator Platinum	1449,99
13	Corsair Vengeance LPX	1299,99
14	Intel SSDPECKME040T401	8867,99
15	Intel Xeon E5-2698 V3 (OEM/Tray)	2660,72
16	Intel Xeon E5-2695 V4	2269,99
17	Intel Xeon E5-2687W V3	2064,99
18	Intel Xeon E5-2643 V4 (OEM/Tray)	1708,86
19	Intel Core i7-6950X	1499,89
20	Intel Core i7-990X Extreme Edition	1199,99

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
```

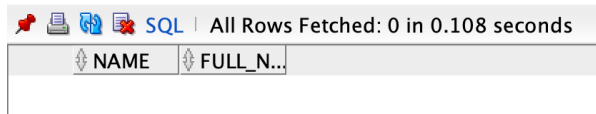
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	FULLNAME	FACTURACION
1	Freya Gomez	2499633,26
2	Isabelle Marshall	2092044,24
3	Grace Ellis	1048915,28
4	Scarlett Gibson	645379,54
5	Florence Freeman	545057,39
6	Lily Fisher	394765,27
7	Daisy Ortiz	307842,27
8	Chloe Cruz	277585,23

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
```



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NAME	FULL_N...
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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

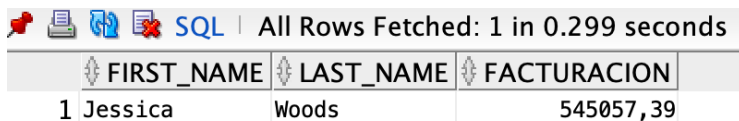
FROM employees e
  INNER JOIN orders o ON o.salesman_id = e.employee_id
  INNER JOIN order_items oi ON oi.order_id = o.order_id

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
```



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	FIRST_NAME	LAST_NAME	FACTURACION
1	Jessica	Woods	545057,39