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607. Sales Person de la constant de

June 22, 2017 | 15.9K views

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Description Given three tables: salesperson, company, orders.

Output all the names in the table salesperson, who didn't have sales to company 'RED'.

+-----

Example Input

Table: salesperson

Table: company

| 1 | John | 100000 | 6 | 4/1/2006 |
|---|------|--------|----|------------|
| 2 | Amy | 120000 | 5 | 5/1/2010 |
| 3 | Mark | 65000 | 12 | 12/25/2008 |
| 4 | Pam | 25000 | 25 | 1/1/2005 |
| 5 | Alex | 50000 | 10 | 2/3/2007 |
| | + | + | + | ++ |
| | | | | |

com_id | name | city

```
RED
                       Boston
                       New York
           ORANGE
           YELLOW
                       Boston
           GREEN
                       Austin
The table company holds the company information. Every company has a com_id and a name.
Table: orders
```

+-----+ order_id order_date com_id sales_id amount

1/1/2014 | 3 | 4

```
2/1/2014 | 4 |
            3/1/2014 1
  3
                                   1
                                          50000
 4
            4/1/2014 1
                                         25000
The table orders holds the sales record information, salesperson and customer company are represented
by sales_id and com_id.
output
```

name Amy

```
Mark
  Alex
Explanation
According to order '3' and '4' in table orders, it is easy to tell only salesperson 'John' and 'Alex' have sales
```

Solution

to company 'RED',

Approach: Using OUTER JOIN and NOT IN [Accepted]

so we need to output all the other **names** in table **salesperson**.

have. Algorithm

SELECT

FROM

orders o

LEFT JOIN

3/1/2014 | 1

4/1/2014 | 1

Intuition

To start, we can query the information of sales in company 'RED' as a temporary table. And then try to build a connection between this table and the salesperson table since it has the name information.

If we know all the persons who have sales in this company 'RED', it will be fairly easy to know who do not

```
company c ON o.com_id = c.com_id
   c.name = 'RED'
  Note: "LEFT OUTER JOIN" could be written as "LEFT JOIN".
order_id | date
                      com_id | sales_id | amount | com_id | name | city
```

Obviously, the column sales_id exists in table salesperson so we may use it as a subquery, and then utilize the NOT IN to get the target data.

50000 1

25000 1

Boston

Boston

Post

| 1

4

WHERE s.sales_id NOT IN (SELECT

MySQL

SELECT

FROM

s.name

salesperson s

FROM

o.sales id

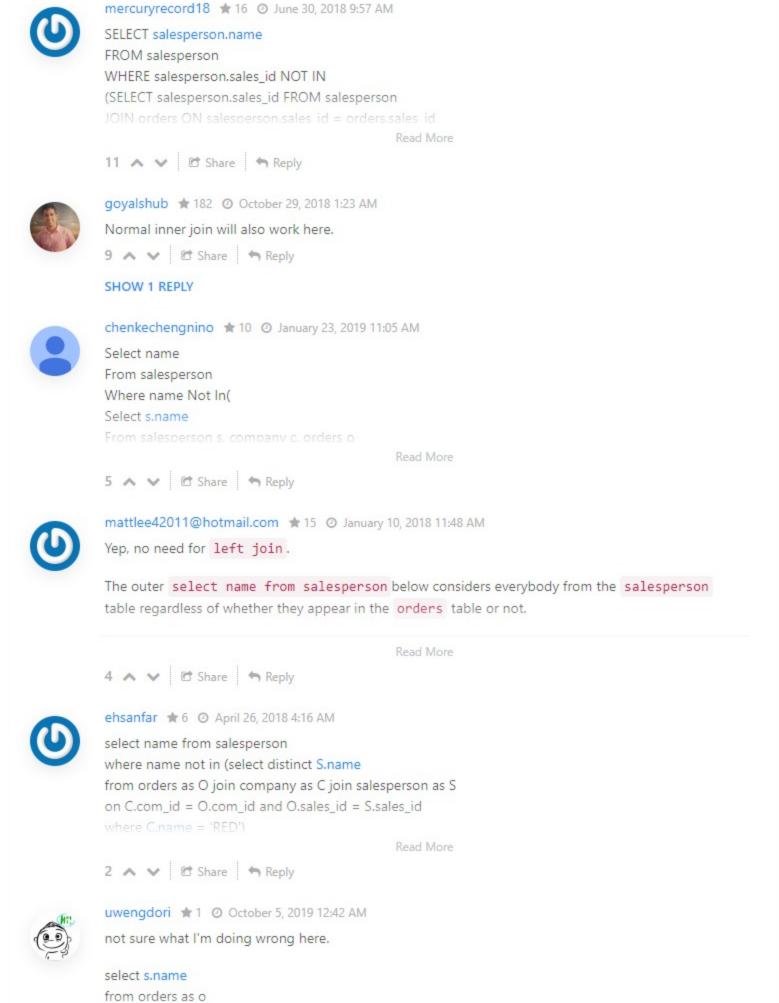
LEFT JOIN

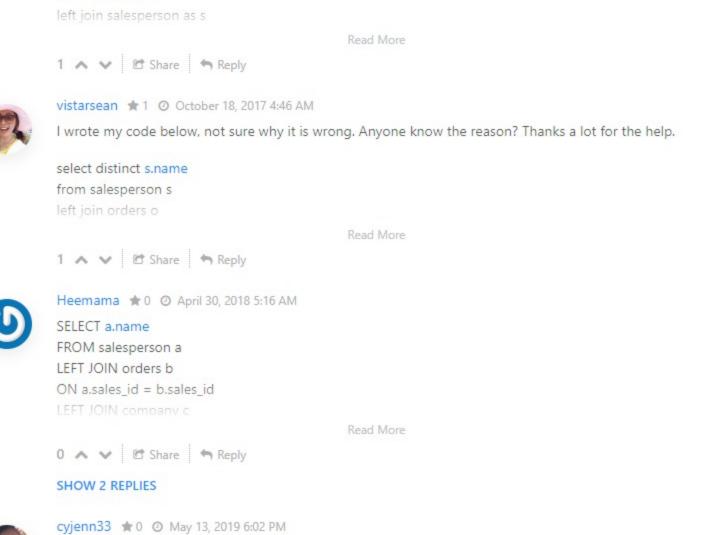
orders o

Preview

```
company c ON o.com_id = c.com_id
          WHERE
               c.name = 'RED')
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```







Write your MySQL query statement

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(select sales_id from orders where com_id in (

(123)

select name from salesperson where sales_id not in

below