

Problem 1607: Sellers With No Sales

Problem Information

Difficulty: Easy

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Table:

Customer

+-----+-----+ | Column Name | Type | +-----+-----+ | customer_id | int | |
customer_name | varchar | +-----+-----+ customer_id is the column with unique
values for this table. Each row of this table contains the information of each customer in the
WebStore.

Table:

Orders

+-----+-----+ | Column Name | Type | +-----+-----+ | order_id | int | |
sale_date | date | | order_cost | int | | customer_id | int | | seller_id | int | +-----+-----+
order_id is the column with unique values for this table. Each row of this table contains all
orders made in the webstore. sale_date is the date when the transaction was made between
the customer (customer_id) and the seller (seller_id).

Table:

Seller

+-----+-----+ | Column Name | Type | +-----+-----+ | seller_id | int | |
seller_name | varchar | +-----+-----+ seller_id is the column with unique values for
this table. Each row of this table contains the information of each seller.

Write a solution to report the names of all sellers who did not make any sales in

2020

.

Return the result table ordered by

seller_name

in

ascending order

.

The result format is in the following example.

Example 1:

Input:

```
Customer table: +-----+-----+ | customer_id | customer_name |
+-----+-----+ | 101 | Alice | | 102 | Bob | | 103 | Charlie |
+-----+-----+ Orders table:
+-----+-----+-----+-----+-----+ | order_id | sale_date | order_cost |
customer_id | seller_id | +-----+-----+-----+-----+ | 1 |
2020-03-01 | 1500 | 101 | 1 | | 2 | 2020-05-25 | 2400 | 102 | 2 | | 3 | 2019-05-25 | 800 | 101 | 3 |
| 4 | 2020-09-13 | 1000 | 103 | 2 | | 5 | 2019-02-11 | 700 | 101 | 2 |
+-----+-----+-----+-----+-----+ Seller table: +-----+-----+
| seller_id | seller_name | +-----+-----+ | 1 | Daniel | | 2 | Elizabeth | | 3 | Frank |
+-----+-----+
```

Output:

```
+-----+ | seller_name | +-----+ | Frank | +-----+
```

Explanation:

Daniel made 1 sale in March 2020. Elizabeth made 2 sales in 2020 and 1 sale in 2019. Frank made 1 sale in 2019 but no sales in 2020.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```

Oracle:

```
/* Write your PL/SQL query statement below */
```

Pandas:

```
import pandas as pd

def sellers_with_no_sales(customer: pd.DataFrame, orders: pd.DataFrame,
seller: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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