Problem 1693: Daily Leads and Partners

Problem Information

Difficulty: Easy
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Table:

DailySales

+-------------+---------+ | Column Name | Type | +-------------+---------+ | date_id | date | | make_name | varchar | | lead_id | int | | partner_id | int | +-------------+---------+ There is no primary key (column with unique values) for this table. It may contain duplicates. This table contains the date and the name of the product sold and the IDs of the lead and partner it was sold to. The name consists of only lowercase English letters.

For each

date_id

and

make_name

, find the number of

distinct

lead_id

's and

distinct

partner_id

's.

Return the result table in

any order

.

The result format is in the following example.

Example 1:

Input:

DailySales table: +-----------+-----------+---------+------------+ | date_id | make_name | lead_id | partner_id | +-----------+-----------+---------+------------+ | 2020-12-8 | toyota | 0 | 1 | | 2020-12-8 | toyota | 1 | 0 | | 2020-12-8 | toyota | 1 | 2 | | 2020-12-7 | toyota | 0 | 2 | | 2020-12-7 | toyota | 0 | 1 | | 2020-12-8 | honda | 1 | 2 | | 2020-12-8 | honda | 2 | 1 | | 2020-12-7 | honda | 0 | 1 | | 2020-12-7 | honda | 1 | 2 | | 2020-12-7 | honda | 2 | 1 | +-----------+-----------+---------+------------+

Output:

+-----------+-----------+--------------+-----------------+ | date_id | make_name | unique_leads | unique_partners | +-----------+-----------+--------------+-----------------+ | 2020-12-8 | toyota | 2 | 3 | | 2020-12-7 | toyota | 1 | 2 | | 2020-12-8 | honda | 2 | 2 | | 2020-12-7 | honda | 3 | 2 | +-----------+-----------+--------------+-----------------+

Explanation:

For 2020-12-8, toyota gets leads = [0, 1] and partners = [0, 1, 2] while honda gets leads = [1, 2] and partners = [1, 2]. For 2020-12-7, toyota gets leads = [0] and partners = [1, 2] while honda gets leads = [0, 1, 2] and partners = [1, 2].

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 daily_leads_and_partners(daily_sales: pd.DataFrame) -> pd.DataFrame:
```

Solutions

MySQL Solution:

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