

Problem 1445: Apples & Oranges

Problem Information

Difficulty: Medium

Acceptance Rate: 86.05%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Sales`

+-----+-----+ | Column Name | Type | +-----+-----+ | sale_date | date | | fruit | enum | | sold_num | int | +-----+-----+ (sale_date, fruit) is the primary key (combination of columns with unique values) of this table. This table contains the sales of "apples" and "oranges" sold each day.

Write a solution to report the difference between the number of **apples** and **oranges** sold each day.

Return the result table **ordered** by `sale_date`.

The result format is in the following example.

Example 1:

Input: Sales table: +-----+-----+-----+ | sale_date | fruit | sold_num |
+-----+-----+-----+ | 2020-05-01 | apples | 10 | | 2020-05-01 | oranges | 8 | |
2020-05-02 | apples | 15 | | 2020-05-02 | oranges | 15 | | 2020-05-03 | apples | 20 | |
2020-05-03 | oranges | 0 | | 2020-05-04 | apples | 15 | | 2020-05-04 | oranges | 16 |
+-----+-----+-----+ **Output:** +-----+-----+ | sale_date | diff |
+-----+-----+ | 2020-05-01 | 2 | | 2020-05-02 | 0 | | 2020-05-03 | 20 | | 2020-05-04 |
-1 | +-----+-----+ **Explanation:** Day 2020-05-01, 10 apples and 8 oranges were sold (Difference 10 - 8 = 2). Day 2020-05-02, 15 apples and 15 oranges were sold (Difference 15 - 15 = 0). Day 2020-05-03, 20 apples and 0 oranges were sold (Difference 20 - 0 = 20). Day 2020-05-04, 15 apples and 16 oranges were sold (Difference 15 - 16 = -1).

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
```