Problem 1543: Fix Product Name Format

Problem Information

Difficulty: Easy
Acceptance Rate: 58.73%
Paid Only: Yes
Tags: Database

Problem Description

Table: `Sales`

+--------------+---------+ | Column Name | Type | +--------------+---------+ | sale_id | int | | product_name | varchar | | sale_date | date | +--------------+---------+ sale_id is the column with unique values for this table. Each row of this table contains the product name and the date it was sold.

Since table Sales was filled manually in the year `2000`, `product_name` may contain leading and/or trailing white spaces, also they are case-insensitive.

Write a solution to report

* `product_name` in lowercase without leading or trailing white spaces. * `sale_date` in the format `('YYYY-MM')`. * `total` the number of times the product was sold in this month.

Return the result table ordered by `product_name` in **ascending order**. In case of a tie, order it by `sale_date` in **ascending order**.

The result format is in the following example.

Example 1:

Input: Sales table: +---------+--------------+------------+ | sale_id | product_name | sale_date | +---------+--------------+------------+ | 1 | LCPHONE | 2000-01-16 | | 2 | LCPhone | 2000-01-17 | | 3 | LcPhOnE | 2000-02-18 | | 4 | LCKeyCHAiN | 2000-02-19 | | 5 | LCKeyChain | 2000-02-28 | | 6 | Matryoshka | 2000-03-31 | +---------+--------------+------------+ **Output:**

```
+-------------+----------+-------+
| product_name | sale_date | total |
+-------------+----------+-------+
| lckeychain | 2000-02 | 2 |
| lcphone | 2000-01 | 2 |
| lcphone | 2000-02 | 1 |
| matryoshka | 2000-03 | 1 |
+-------------+----------+-------+
```

Explanation: In January, 2 LcPhones were sold. Please note that the product names are not case sensitive and may contain spaces. In February, 2 LCKeychains and 1 LCPhone were sold. In March, one matryoshka was sold.

Code Snippets

MySQL:

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

MS SQL Server:

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

Oracle:

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