Problem 1308: Running Total for Different Genders

Problem Information

Difficulty: Medium
Acceptance Rate: 86.20%
Paid Only: Yes
Tags: Database

Problem Description

Table: `Scores`

+---------------+---------+ | Column Name | Type | +---------------+---------+ | player_name | varchar | | gender | varchar | | day | date | | score_points | int | +---------------+---------+ (gender, day) is the primary key (combination of columns with unique values) for this table. A competition is held between the female team and the male team. Each row of this table indicates that a player_name and with gender has scored score_point in someday. Gender is 'F' if the player is in the female team and 'M' if the player is in the male team.

Write a solution to find the total score for each gender on each day.

Return the result table ordered by `gender` and `day` in **ascending order**.

The result format is in the following example.

Example 1:

Input: Scores table: +-------------+--------+------------+--------------+ | player_name | gender | day | score_points | +-------------+--------+------------+--------------+ | Aron | F | 2020-01-01 | 17 | | Alice | F | 2020-01-07 | 23 | | Bajrang | M | 2020-01-07 | 7 | | Khali | M | 2019-12-25 | 11 | | Slaman | M | 2019-12-30 | 13 | | Joe | M | 2019-12-31 | 3 | | Jose | M | 2019-12-18 | 2 | | Priya | F | 2019-12-31 | 23 | | Priyanka | F | 2019-12-30 | 17 |
+-------------+--------+------------+--------------+ **Output:** +--------+------------+-------+ | gender | day | total | +--------+------------+-------+ | F | 2019-12-30 | 17 | | F | 2019-12-31 | 40 | | F | 2020-01-01 | 57 | | F | 2020-01-07 | 80 | | M | 2019-12-18 | 2 | | M | 2019-12-25 | 13 | | M |

2019-12-30 | 26 | | M | 2019-12-31 | 29 | | M | 2020-01-07 | 36 | +--------+-----------+------+

Explanation: For the female team: The first day is 2019-12-30, Priyanka scored 17 points and the total score for the team is 17. The second day is 2019-12-31, Priya scored 23 points and the total score for the team is 40. The third day is 2020-01-01, Aron scored 17 points and the total score for the team is 57. The fourth day is 2020-01-07, Alice scored 23 points and the total score for the team is 80. For the male team: The first day is 2019-12-18, Jose scored 2 points and the total score for the team is 2. The second day is 2019-12-25, Khali scored 11 points and the total score for the team is 13. The third day is 2019-12-30, Slaman scored 13 points and the total score for the team is 26. The fourth day is 2019-12-31, Joe scored 3 points and the total score for the team is 29. The fifth day is 2020-01-07, Bajrang scored 7 points and the total score for the team is 36.

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
```