1308. Running Total for Different Genders `Premium`

`Medium`   `🏷 Topics`

SQL Schema > Pandas Schema >

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.
```

Seen this question in a real interview before?   1/5

`Yes`   `No`

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