

Problem List

MySQL

1308. Running Total for Different Genders

Premium

Solved

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

Accepted

40.3K

Submissions

46.7K

Acceptance Rate

86.3%

Topics

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Code

MySQL

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# Write your MySQL query statement below

SELECT s1.gender,

s1.day,

sum(s2.score\_points) as total

FROM Scores s1

LEFT JOIN Scores s2 on s1.gender = s2.gender and s1.day >= s2.day

GROUP BY 1,2

ORDER BY 1,2

Saved

Ln 6, Col 30

Testcase

Test Result

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

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Output

gender	day	total
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F	2020-01-01	57
F	2020-01-07	80
M	2019-12-18	2
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