

Problem 1212: Team Scores in Football Tournament

Problem Information

Difficulty: Medium

Acceptance Rate: 55.84%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Teams`

+-----+-----+ | Column Name | Type | +-----+-----+ | team_id | int ||
team_name | varchar | +-----+-----+ team_id is the column with unique values of
this table. Each row of this table represents a single football team.

Table: `Matches`

+-----+-----+ | Column Name | Type | +-----+-----+ | match_id | int ||
host_team | int | | guest_team | int | | host_goals | int | | guest_goals | int |
+-----+-----+ match_id is the column of unique values of this table. Each row is a
record of a finished match between two different teams. Teams host_team and guest_team
are represented by their IDs in the Teams table (team_id), and they scored host_goals and
guest_goals goals, respectively.

You would like to compute the scores of all teams after all matches. Points are awarded as follows:

* A team receives **three points** if they win a match (i.e., Scored more goals than the opponent team). * A team receives **one point** if they draw a match (i.e., Scored the same number of goals as the opponent team). * A team receives **no points** if they lose a match (i.e., Scored fewer goals than the opponent team).

Write a solution that selects the `team_id`, `team_name` and `num_points` of each team in the tournament after all described matches.

Return the result table ordered by `num_points` **in decreasing order**. In case of a tie, order the records by `team_id` **in increasing order**.

The result format is in the following example.

Example 1:

Input: Teams table:

team_id	team_name
10	Leetcode FC
20	NewYork FC
30	Atlanta FC
40	Chicago FC
50	Toronto FC

Matches table:

match_id	host_team	guest_team	host_goals	guest_goals
1	10	20	3	0
2	30	10	2	1
3	50	5	1	4
4	20	30	1	0
5	50	30	1	0

Output:

team_id	team_name	num_points
10	Leetcode FC	7
20	NewYork FC	3
30	Atlanta FC	40
40	Chicago FC	0
50	Toronto FC	3

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
```