

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
| 2 | | 3 | 10 | 50 | 5 | 1 | | 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 | | 50 |
Toronto FC | 3 | | 30 | Atlanta FC | 1 | | 40 | Chicago FC | 0 |
+-----+-----+-----+
```

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
```