

# Problem 1212: Team Scores in Football Tournament

## Problem Information

Difficulty: Medium

Acceptance Rate: 0.00%

Paid Only: No

## 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
```

**Oracle:**

```
/* Write your PL/SQL query statement below */
```

**Pandas:**

```
import pandas as pd

def team_scores(teams: pd.DataFrame, matches: pd.DataFrame) -> pd.DataFrame:
```

## Solutions

**MySQL Solution:**

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