1212. Team Scores in Football Tournament Premium

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SQL Schema >   Pandas Schema >

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              |
+---------------+----------------+----------------+
```

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

Yes   No

Accepted **42.4K** | Submissions **76.4K** | Acceptance Rate **55.5%**

🏷 Topics   ⌄

    Database

🏢 Companies   ⌄

    0 - 6 months

    Wayfair 2

    6 months ago

    Amazon 2

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