

## Medium

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

# Write your MySQL query statement below

```

SELECT team_id,team_name,
       SUM(
         CASE
           WHEN team_id=host_team AND host_goals>guest_goals THEN 3
           WHEN team_id=guest_team AND host_goals<guest_goals THEN 3
           WHEN team_id=host_team AND host_goals=guest_goals THEN 1
           WHEN team_id=guest_team AND host_goals=guest_goals THEN 1
           ELSE 0
         END
       ) AS num_points
FROM Teams
LEFT JOIN Matches ON
  team_id=host_team OR team_id=guest_team
GROUP BY team_id
ORDER BY num_points DESC,team_id

```