

# 1841. League Statistics

## Description

Table: Teams

Column Name	Type
team_id	int
team_name	varchar

team\_id is the column with unique values for this table.  
Each row contains information about one team in the league.

Table: Matches

Column Name	Type
home_team_id	int
away_team_id	int
home_team_goals	int
away_team_goals	int

(home\_team\_id, away\_team\_id) is the primary key (combination of columns with unique values) for this table.  
Each row contains information about one match.  
home\_team\_goals is the number of goals scored by the home team.  
away\_team\_goals is the number of goals scored by the away team.  
The winner of the match is the team with the higher number of goals.

Write a solution to report the statistics of the league. The statistics should be built using the played matches where the **winning** team gets **three points** and the **losing** team gets **no points** . If a match ends with a **draw** , both teams get **one point** .

Each row of the result table should contain:

- team\_name - The name of the team in the Teams table.
- matches\_played - The number of matches played as either a home or away team.
- points - The total points the team has so far.
- goal\_for - The total number of goals scored by the team across all matches.
- goal\_against - The total number of goals scored by opponent teams against this team across all matches.
- goal\_diff - The result of goal\_for - goal\_against .

Return the result table ordered by points **in descending order** . If two or more teams have the same points , order them by goal\_diff **in descending order** . If there is still a tie, order them by team\_name in **lexicographical order** .

The result format is in the following example.

### Example 1:

**Input:**

Teams table:

team_id	team_name
1	Ajax
4	Dortmund
6	Arsenal

Matches table:

home_team_id	away_team_id	home_team_goals	away_team_goals
1	4	0	1
1	6	3	3
4	1	5	2
6	1	0	0

**Output:**

team_name	matches_played	points	goal_for	goal_against	goal_diff
Dortmund	2	6	6	2	4
Arsenal	2	2	3	3	0
Ajax	4	2	5	9	-4

**Explanation:**

Ajax (team\_id=1) played 4 matches: 2 losses and 2 draws. Total points = 0 + 0 + 1 + 1 = 2.  
Dortmund (team\_id=4) played 2 matches: 2 wins. Total points = 3 + 3 = 6.  
Arsenal (team\_id=6) played 2 matches: 2 draws. Total points = 1 + 1 = 2.  
Dortmund is the first team in the table. Ajax and Arsenal have the same points, but since Arsenal has a higher goal\_diff than Ajax, Arsenal comes before Ajax in the table.

