

1841. League Statistics Premium

Medium Topics

SQL Schema > Pandas Schema >

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.

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

Yes No

Accepted 14.2K | Submissions 26.7K | Acceptance Rate 53.4%

Topics

Database

Discussion (7)