

# Problem 3252: Premier League Table Ranking II

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 55.45%

**Paid Only:** Yes

**Tags:** Database

## Problem Description

Table: `TeamStats`

	Column Name	Type		team_id	int	
team_name	varchar		matches_played	int	wins	int
					draws	int
					losses	int

+-----+-----+ team\_id is the unique key for this table. This table contains team id, team name, matches\_played, wins, draws, and losses.

Write a solution to calculate the \*\*points\*\* , \*\*position\*\* , and \*\*tier\*\* for each team in the league. Points are calculated as follows:

\* `3` points for a \*\*win\*\* \* `1` point for a \*\*draw\*\* \* `0` points for a \*\*loss\*\*

\*\*Note:\*\* Teams with the same points must be assigned the same position.

\*\*Tier ranking:\*\*

\* Divide the league into `3` tiers based on points:  
\* Tier 1: Top `33%` of teams  
\* Tier 2: Middle `33%` of teams  
\* Tier 3: Bottom `34%` of teams  
\* In case of \*\*ties\*\* at\*\*tier boundaries\*\* , place tied teams in the \*\*higher tier\*\*.

Return \_the result table\_ \_ordered by\_ `points` \_in \*\*descending\*\* ,\*\*\* \*\*\* and then by\_ `team\_name` \_in\*\*ascending\*\* order.\_

The query result format is in the following example.

\*\*Example:\*\*

**\*\*Input:\*\***

`TeamStats` table:

team_id	team_name	matches_played	wins	draws	losses
1	Chelsea	22	13	2	7
2	Nottingham Forest	27	6	6	15
3	Liverpool	17	1	8	8
4	Aston Villa	20	1	6	13
5	Fulham	31	18	1	12
6	Burnley	26	6	9	11
7	Newcastle United	33	11	10	12
8	Sheffield United	20	18	2	0
9	Luton Town	5	4	0	1
10	Everton	14	2	6	6

**\*\*Output:\*\***

team_name	points	position	tier
Sheffield United	56	1	Tier 1
Fulham	55	2	Tier 1
Newcastle United	43	3	Tier 1
Chelsea	41	4	Tier 1
Burnley	27	5	Tier 2
Nottingham Forest	24	6	Tier 2
Everton	12	7	Tier 2
Luton Town	12	7	Tier 2
Liverpool	11	9	Tier 3
Aston Villa	9	10	Tier 3

**\*\*Explanation:\*\***

\* Sheffield United has 56 points (18 wins \* 3 points + 2 draws \* 1 point) and is in position 1. \* Fulham has 55 points (18 wins \* 3 points + 1 draw \* 1 point) and is in position 2. \* Newcastle United has 43 points (11 wins \* 3 points + 10 draws \* 1 point) and is in position 3. \* Chelsea has 41 points (13 wins \* 3 points + 2 draws \* 1 point) and is in position 4. \* Burnley has 27 points (6 wins \* 3 points + 9 draws \* 1 point) and is in position 5. \* Nottingham Forest has 24 points (6 wins \* 3 points + 6 draws \* 1 point) and is in position 6. \* Everton and Luton Town both have 12 points, with Everton having 2 wins \* 3 points + 6 draws \* 1 point, and Luton Town having 4 wins \* 3 points. Both teams share position 7. \* Liverpool has 11 points (1 win \* 3 points + 8 draws \* 1 point) and is in position 9. \* Aston Villa has 9 points (1 win \* 3 points + 6 draws \* 1 point) and is in position 10.

**\*\*Tier Calculation:\*\***

\* **\*\*Tier 1:\*\*** The top 33% of teams based on points. Sheffield United, Fulham, Newcastle United, and Chelsea fall into Tier 1. \* **\*\*Tier 2:\*\*** The middle 33% of teams. Burnley, Nottingham Forest, Everton, and Luton Town fall into Tier 2. \* **\*\*Tier 3:\*\*** The bottom 34% of teams. Liverpool and Aston Villa fall into Tier 3.

## 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
```