

## Cricket Match Results Analysis

This data analysis deals with a table named "matches" containing information about cricket teams and their performance in matches.

- **Table Columns:**
  - team1: Name of the first team playing in the match.
  - team2: Name of the second team playing in the match.
  - Match\_result: The outcome of the match between team1 and team2. This column can have three possible values:
    - The name of the winning team (from either team1 or team2).
    - "No\_Result" if the match ended in a draw or was abandoned.
- **Scoring System:**
  - Winning Team: Awarded 3 points.
  - No Result: Each team receives 1 point.

**Desired Output:** The goal is to create a new table with the following columns:







- team: Name of the cricket team.
- wins: Total number of matches won by the team.
- losses: Total number of matches lost by the team.
- no\_result: Total number of matches that ended in a draw or were abandoned.
- total\_points: Total points accumulated by the team based on wins and no results.

This new table will provide a comprehensive overview of each team's performance, including wins, losses, draws/abandonments, and total points earned.

Query –

```
WITH teamScores AS (  
  select team,  
  sum( CASE WHEN match_result = team then 1 ELSE 0 END) AS wins,  
  sum( CASE WHEN match_result!= 'No Result' AND match_result!= team then 1 ELSE 0 END) AS Losses,  
  sum( CASE WHEN match_result = 'No Result' then 1 ELSE 0 END) AS no_result  
  FROM  
  (SELECT team1 as team, match_result FROM matches  
   UNION ALL  
   SELECT team2 as team, match_result FROM matches  
  ) AS combined_results  
  GROUP BY team)  
  
SELECT team,  
COALESCE(wins,0) + COALESCE(losses,0)+ COALESCE(no_result,0) AS games_played,  
COALESCE(wins,0) as wins,  
COALESCE(losses,0) as losses,  
COALESCE (no_result,0) as no_result,  
COALESCE (wins,0)* 3 + COALESCE(no_result,0) as points  
FROM teamScores  
ORDER BY points DESC;
```

Output –

Data Output   Messages   Notifications							
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	team character varying (50) 🔒	games_played bigint 🔒	wins bigint 🔒	losses bigint 🔒	no_result bigint 🔒	points bigint 🔒	
1	India	3	2	0	1	7	
2	Australia	3	2	1	0	6	
3	New Zealand	3	1	1	1	4	
4	England	3	0	3	0	0	