SQL Assignments - IPL Stats DB (Advanced Level)

Advanced Level

1. Write Query: Find players who scored more runs than the average runs of all players.

Expected Output:

player_name | total_runs | avg_runs

Virat Kohli | 240 | 165.5

Glenn Maxwell | 215 | 165.5

2. Write Query: List players with the best average runs per match (min 3 matches).

Expected Output:

player_name | avg_runs

Maxwell | 53.7

Kohli | 48.0

3. Write Query: Show each team's highest scoring player and their total runs.

Expected Output:

team_name | player_name | total_runs

CSK | Ruturaj Gaikwad | 230

RCB | Virat Kohli | 240

4. Write Query: List all players who scored a half-century (50+ runs) in more than 2 matches.

Expected Output:

player_name | half_centuries

Virat Kohli | 3

Maxwell | 4

5. Write Query: Get a player-wise match summary pivoted on match_id showing total runs.

Expected Output:

player_name | match_1 | match_2 | match_3

Virat Kohli | 42 | 87 | 111

Maxwell | 25 | 90 | 100

6. Write Query: Find players who bowled in every match played.

Expected Output:

player_name | matches_bowled | total_matches

Pat Cummins | 5 | 5

7. Write Query: List teams with average player score above 150 runs.

Expected Output:

team_name | avg_team_runs

RCB | 168.2

CSK | 154.6

8. Write Query: Show top 5 most economical bowlers (runs conceded / overs bowled).

Expected Output:

player_name | economy_rate

Sunil Narine | 5.2

Pat Cummins | 6.4

9. Write Query: Find players with most consistent performance (stddev of runs < 15).

Expected Output:

player_name | run_stddev

Faf du Plessis | 12.3

Ruturaj Gaikwad | 13.1

10. Write Query: List players who hit at least one six in every match.

Expected Output:

player_name | matches_with_sixes | total_matches

Andre Russell | 5 | 5

11. Write Query: Show player-wise total contribution score (runs + 10 × wickets).

Expected Output:

player_name | contribution_score

Russell | 320

Maxwell | 250

12. Write Query: Rank teams based on total team performance (runs + wickets).

Expected Output:

team_name | total_score | rank

RCB | 870 | 1

CSK | 830 | 2

13. Write Query: List players who were top scorers in at least 2 matches.

Expected Output:

player_name | top_scorer_matches

Virat Kohli | 3

Maxwell | 2

14. Write Query: Find matches where the losing team scored more than 170 runs.

Expected Output:

match_id | losing_team | losing_score

2 | KKR | 178

4 | CSK | 185

15. Write Query: List match_id and number of players who hit more than 30 runs in that match.

Expected Output:

match_id | players_30_plus

1 | 4

3 | 5