

SQL Assignments - IPL Stats DB

Medium Level

1. Write Query: List total runs scored by each player across all matches.

Expected Output:

player_name | total_runs

Virat Kohli | 240

MS Dhoni | 178

Glenn Maxwell | 185

2. Write Query: Get the number of wickets taken by each bowler.

Expected Output:

player_name | total_wickets

Jasprit Bumrah | 9

Andre Russell | 7

Pat Cummins | 6

3. Write Query: Show total matches played by each team.

Expected Output:

team_name | matches_played

Mumbai Indians | 4

Chennai Super Kings | 3

RCB | 3

4. Write Query: List total fours and sixes hit by each player.

Expected Output:

player_name | total_fours | total_sixes

Virat Kohli | 22 | 10

Glenn Maxwell | 18 | 12

5. Write Query: Show total runs scored per team (based on their players).

Expected Output:

team_name | total_runs

CSK | 456

RCB | 412

MI | 385

6. Write Query: List players who scored more than 200 runs in total.

Expected Output:

player_name | total_runs

Virat Kohli | 240

Glenn Maxwell | 215

7. Write Query: Find the average runs scored per player.

Expected Output:

player_name | average_runs

Ruturaj Gaikwad | 34.4

Faf du Plessis | 36.6

8. Write Query: Show players with more than 5 sixes in total.

Expected Output:

player_name | total_sixes

MS Dhoni | 7

Andre Russell | 9

9. Write Query: List players who have never taken a wicket.

Expected Output:

player_name

Virat Kohli

MS Dhoni

Rohit Sharma

10. Write Query: Find number of players in each team.

Expected Output:

team_name | total_players

CSK | 3

KKR | 3

MI | 2

11. Write Query: Get players who scored the highest runs in a single match.

Expected Output:

player_name | runs_scored | match_id

Glenn Maxwell | 87 | 2

Virat Kohli | 85 | 3

12. Write Query: List top 3 wicket-takers.

Expected Output:

player_name | total_wickets

Jasprit Bumrah | 9

Andre Russell | 7

Sunil Narine | 6

13. Write Query: List matches where more than 2 players scored 50+ runs.

Expected Output:

match_id | fifty_plus_scorers

2 | 3

4 | 4

14. Write Query: Show team-wise average runs per match.

Expected Output:

team_name | avg_runs

CSK | 152.3

RCB | 137.5

15. Write Query: Get the players who bowled more than 10 overs in total.

Expected Output:

player_name | total_overs

Pat Cummins | 12.0

Andre Russell | 11.4

Hard Level

1. Write Query: Find the top run-scorer (Orange Cap holder).

Expected Output:

player_name | total_runs

Virat Kohli | 240

2. Write Query: Find the top wicket-taker (Purple Cap holder).

Expected Output:

player_name | total_wickets

Jasprit Bumrah | 9

3. Write Query: Get a list of players and their highest score in a single match.

Expected Output:

player_name | highest_score

Ruturaj Gaikwad | 78

Maxwell | 87

4. Write Query: List teams with more than 1 match win.

Expected Output:

team_name | wins

Mumbai Indians | 3

RCB | 2

5. Write Query: List the top 5 batsmen with the best strike rate (runs per 100 balls).

Expected Output:

player_name | strike_rate

MS Dhoni | 142.5

Glenn Maxwell | 138.3

6. Write Query: Find the average number of wickets per match by each bowler.

Expected Output:

player_name | avg_wickets

Pat Cummins | 1.8

Sunil Narine | 1.4

7. Write Query: Rank players based on total runs scored (1 being highest).

Expected Output:

player_name | total_runs | rank

Virat Kohli | 240 | 1

Glenn Maxwell | 215 | 2

8. Write Query: Find the team with the highest total runs across all matches.

Expected Output:

team_name | total_runs

CSK | 456

9. Write Query: List the number of matches played at each venue (pivot-style).

Expected Output:

venue | matches_played

Chennai Stadium | 2

Mumbai Stadium | 1

Kolkata Stadium | 2

10. Write Query: Find players who scored more than the team average.

Expected Output:

player_name | total_runs | team_avg

Virat Kohli | 240 | 165.4

11. Write Query: Show player-wise match count where they took at least 2 wickets.

Expected Output:

player_name | matches_with_2_plus_wickets

Pat Cummins | 2

Russell | 3

12. Write Query: Show total runs scored in each match (aggregated from all players).

Expected Output:

match_id | total_runs

1 | 286

2 | 310

13. Write Query: List the top 3 all-rounders based on combined runs and wickets.

Expected Output:

player_name | total_score

Russell | 295

Narine | 260

14. Write Query: Find matches where total sixes hit was greater than 15.

Expected Output:

match_id | total_sixes

2 | 18

4 | 21

15. Write Query: Find the player with the highest run-to-ball ratio.

Expected Output:

player_name | runs | balls | ratio

Faf du Plessis | 180 | 120 | 1.50