

# SQL QUERY

## Create a Database

```
CREATE DATABASE ipl;
```

```
USE ipl;
```

## Verify Data

```
SELECT * FROM ipl.ipl_matches_2008_2022;
```

The screenshot shows a database application interface with a table named 'ipl\_matches\_2008\_2022'. The table has 8 columns: id, city, match\_date, season, match\_number, team1, team2, and venue. The data is displayed in a grid format with alternating row colors. The table contains 10 rows of data, including matches from the 2008 and 2011 seasons.

id	city	match_date	season	match_number	team1	team2	venue
1312200	Ahmedabad	29-05-2022	2022	Final	Rajasthan Royals	Gujarat Titans	Narendra Modi Stadium
1312199	Ahmedabad	27-05-2022	2022	Qualifier 2	Royal Challengers Bangalore	Rajasthan Royals	Narendra Modi Stadium
1312198	Kolkata	25-05-2022	2022	Eliminator	Royal Challengers Bangalore	Lucknow Super Giants	Eden Gardens, Kolkata
1312197	Kolkata	24-05-2022	2022	Qualifier 1	Rajasthan Royals	Gujarat Titans	Eden Gardens, Kolkata
1304116	Mumbai	22-05-2022	2022	70	Sunrisers Hyderabad	Punjab Kings	Wankhede Stadium, Mumbai
1304115	Mumbai	21-05-2022	2022	69	Delhi Capitals	Mumbai Indians	Wankhede Stadium, Mumbai
1304114	Mumbai	20-05-2022	2022	68	Chennai Super Kings	Rajasthan Royals	Brabourne Stadium, Mumbai
1304113	Mumbai	19-05-2022	2022	67	Gujarat Titans	Royal Challengers Bangalore	Wankhede Stadium, Mumbai
1304112	Navi Mumbai	18-05-2022	2022	66	Lucknow Super Giants	Kolkata Knight Riders	Dr DY Patil Sports Academy, Navi Mumbai
1304111	Mumbai	17-05-2022	2022	65	Sunrisers Hyderabad	Mumbai Indians	Wankhede Stadium, Mumbai

```
SELECT * FROM ipl_matches_2008_2022 LIMIT 10;
```

The screenshot shows the same database application interface, but with the 'LIMIT 10' clause applied to the query. Only the first 10 rows of the table are displayed, which are the same as the first 10 rows shown in the previous screenshot.

id	city	match_date	season	match_number	team1	team2	venue
1312200	Ahmedabad	29-05-2022	2022	Final	Rajasthan Royals	Gujarat Titans	Narendra Modi Stadium
1312199	Ahmedabad	27-05-2022	2022	Qualifier 2	Royal Challengers Bangalore	Rajasthan Royals	Narendra Modi Stadium
1312198	Kolkata	25-05-2022	2022	Eliminator	Royal Challengers Bangalore	Lucknow Super Giants	Eden Gardens, Kolkata
1312197	Kolkata	24-05-2022	2022	Qualifier 1	Rajasthan Royals	Gujarat Titans	Eden Gardens, Kolkata
1304116	Mumbai	22-05-2022	2022	70	Sunrisers Hyderabad	Punjab Kings	Wankhede Stadium, Mumbai
1304115	Mumbai	21-05-2022	2022	69	Delhi Capitals	Mumbai Indians	Wankhede Stadium, Mumbai
1304114	Mumbai	20-05-2022	2022	68	Chennai Super Kings	Rajasthan Royals	Brabourne Stadium, Mumbai
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1304111	Mumbai	17-05-2022	2022	65	Sunrisers Hyderabad	Mumbai Indians	Wankhede Stadium, Mumbai

1. Total matches per season:

```
SELECT season, COUNT(*) AS total_matches
```

```
FROM ipl_matches_2008_2022
```

```
GROUP BY season ORDER BY season;
```

```

4 SELECT * FROM ipl_matches_2008_2022 LIMIT 1
5
6 SELECT season, COUNT(*) AS total_matches
7 FROM ipl_matches_2008_2022
8 GROUP BY season
9 ORDER BY season;
10

```

season	total_matches
2009	56
2011	72
2012	74
2013	74
2014	59
2015	56
2016	60
2017	58
2018	60
2019	57
2021	59
2022	74

### . Most successful teams:

```

SELECT winner_team, COUNT(*) AS total_wins
FROM ipl_matches_2008_2022 WHERE winner_team <> ''
GROUP BY winner_team
ORDER BY total_wins DESC;

```

```

17 ORDER BY season;
18
19
20
21
22
23 SELECT winning_team, COUNT(*) AS total_wins
24 FROM ipl_matches_2008_2022
25 WHERE winning_team <> ''
26 GROUP BY winning_team
27 ORDER BY total_wins DESC;
28
29
30

```

winning_team	total_wins
Mumbai Indians	100
Chennai Super Kings	97
Kolkata Knight Riders	94
Royal Challengers Bangalore	89
Rajasthan Royals	69
Kings XI Punjab	67
Sunrisers Hyderabad	66
Delhi Daredevils	53
Delhi Capitals	25
Deccan Chargers	19
Punjab Kings	13
Gujarat Lions	13
Gujarat Titans	12
Pune Warriors	12

### Toss impact on match results:

```

SELECT (winner = toss_winner) AS toss_helped,
COUNT(*) AS matches
FROM ipl_matches_2008_2022
GROUP BY toss_helped;

```

```

16
17 • SELECT
18     (winner = toss_winner) AS toss_decision,
19     COUNT(*) AS matches
20 FROM ipl_matches_2008_2022
21 GROUP BY toss_decision;
22
23
24

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
winning_team	total_wins		
Mumbai Indians	100		
Chennai Super Kings	97		
Kolkata Knight Riders	94		
Royal Challengers Bangalore	89		
Rajasthan Royals	69		
Kings XI Punjab	67		
Sunrisers Hyderabad	66		
Delhi Daredevils	53		
Delhi Capitals	25		
Deccan Chargers	19		
Punjab Kings	13		
Gujarat Lions	13		
Gujarat Titans	12		
Pune Warriors	12		

## . Top 10 players with most Player of the Match awards

```

SELECT player_of_match,
COUNT(*) AS awards FROM ipl_matches_2008_2022
GROUP BY player_of_match
ORDER BY awards DESC LIMIT 10;

```

```

22
23 • SELECT player_of_match, COUNT(*) AS awards
24 FROM ipl_matches_2008_2022
25 GROUP BY player_of_match
26 ORDER BY awards DESC
27 LIMIT 10;
28
29

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch
player_of_match	awards			
AB de Villiers	22			
CH Gayle	21			
DA Warner	17			
RG Sharma	16			
MS Dhoni	13			
V Kohli	12			
SP Narine	12			
AD Russell	12			
AM Rahane	12			
A Mishra	11			

## Biggest win by runs:

```

SELECT season, team1, team2, winner, win_by_runs
FROM ipl_matches_2008_2022

```

ORDER BY win\_by\_runs DESC LIMIT 5;

```
21 GROUP BY toss_decision;
22
23 * SELECT player_of_match, COUNT(*) AS awards
24 FROM ipl_matches_2008_2022
25 GROUP BY player_of_match
26 ORDER BY awards DESC
27 LIMIT 10;
28
```

player_of_match	awards
AB de Villiers	22
CH Gayle	21
DA Warner	17
RG Sharma	16
MS Dhoni	13
V Kohli	12
SP Narine	12
AD Russell	12
AM Rahane	12
A Mishra	11