PROJECT REPORT ON

**Sports Tournament Tracker – IPL Edition**

**INTRODUCTION**

The Sports Tournament Tracker is a MySQL-based project designed to manage, analyze from the Indian Premier League (IPL). This project utilizes real match data to track team performances, player achievements, toss decisions, and match outcomes. The objective is to simulate real-world sports data tracking and provide insights through structured queries, views, and CTEs.

**ABSTRACT**

This project extracts and analyzes IPL data from Kaggle’s publicly available matches dataset. Using SQL, we created a normalized schema, imported actual tournament data, and performed analytical queries to uncover key insights such as match counts per season, team win rankings, toss behavior trends, player performance, and average win margins. The project emphasizes real-time query generation, leaderboard creation, and modular SQL design using views and common table expressions (CTEs).

**TOOLS USED**

**MySQL Workbench** – for schema creation, data manipulation, and query execution

**Kaggle IPL Matches Dataset** – for realistic tournament data

**CSV Import Wizard** – to load cleaned datasets into MySQL

**STEPS INVOLVED**

1. **Dataset Selection:** Downloaded matches.csv from Kaggle’s IPL dataset.
2. **Schema Design:** Created a table (Matches) in MySQL with fields like season, teams, toss decision, result, and match stats.
3. **Data Import:** Used MySQL’s Import Wizard to load cleaned CSV into the schema.
4. **Data Analysis Queries:**

* Match count by season
* Team-wise win counts
* Toss decision trends
* Highest win margins
* Player of the match frequency

1. **View Creation:** Built a TeamLeaderboard view to display top-performing teams.
2. **CTE Implementation:** Used CTEs to calculate average win margins per team**.**
3. **Result Interpretation:** Extracted meaningful trends from raw stats.

**CONCLUSION:**

The Sports Tournament Tracker successfully demonstrates how SQL can be used to turn raw match data into actionable insights. Teams like **Mumbai Indians** and **Chennai Super Kings** lead in match wins, while **Chris Gayle** stands out in individual player performance. The toss trend clearly favors fielding first, while calculated average win margins show the dominance of consistent teams. By using real data and structured queries, this project mimics actual sports data analytics, making it valuable for data analysts interested in sports analytics.