-- Create Database

create database IPL\_PROJECT\_SQL

-- Use Database

use IPL\_PROJECT\_SQL

-- Select Query Dim

select \* from Dim\_Country

select \* from Dim\_Team

select \* from Dim\_Batting\_Style

select \* from Dim\_Bowling\_Style

select \* from Dim\_Extra\_Type

select \* from Dim\_Role

select \* from Dim\_Toss\_Decision

select \* from Dim\_Win\_Type

select \* from Dim\_Outcome

select \* from Dim\_Out\_Type

select \* from Dim\_city

select \* from Dim\_Venue

select \* from Dim\_batsman\_scored

select \* from Dim\_Player

Select \* from Dim\_player\_match

select \* from Dim\_Season

Select \* from Dim\_wicket\_taken

select \* from Dim\_extra\_run

Select \* from Dim\_ball\_by\_ball

Select \* from Dim\_match

-- Select Query Fuzzy

select \* from fuzzy\_player\_data

-- Select Query

select \* from Error\_Handling

-- Select Fact table

select \* from Fact\_Match\_Details

-- Logs

select \* from sysssislog

-- Truncate table

TRUNCATE TABLE Dim\_ball\_by\_ball;

TRUNCATE TABLE Dim\_match;

TRUNCATE TABLE Dim\_wicket\_taken;

TRUNCATE TABLE Dim\_player\_match;

TRUNCATE TABLE Dim\_extra\_run;

TRUNCATE TABLE Dim\_batsman\_scored;

TRUNCATE TABLE Dim\_city;

TRUNCATE TABLE Dim\_Country;

TRUNCATE TABLE Dim\_Venue;

TRUNCATE TABLE Dim\_Team;

TRUNCATE TABLE Dim\_Batting\_Style;

TRUNCATE TABLE Dim\_Bowling\_Style;

TRUNCATE TABLE Dim\_Extra\_Type;

TRUNCATE TABLE Dim\_Season;

TRUNCATE TABLE Dim\_Role;

TRUNCATE TABLE Dim\_Toss\_Decision;

TRUNCATE TABLE Dim\_Win\_Type;

TRUNCATE TABLE Dim\_Out\_Type;

TRUNCATE TABLE Dim\_Outcome;

TRUNCATE TABLE Dim\_Player;

-- Select Query Fuzzy

TRUNCATE TABLE fuzzy\_player\_data

-- Select Query

TRUNCATE TABLE Error\_Handling

-- Select Fact table

TRUNCATE TABLE Fact\_Match\_Details

-- Logs

TRUNCATE TABLE sysssislog

-- Create table

1. Dim\_Team:

CREATE TABLE Dim\_Team (

Team\_Id INT PRIMARY KEY,

Team\_Name VARCHAR(100)

);

2. Dim\_Country:

CREATE TABLE Dim\_Country (

Country\_Id INT PRIMARY KEY,

Country\_Name VARCHAR(100)

);

3. Dim\_City:

CREATE TABLE Dim\_City (

City\_Id INT PRIMARY KEY,

City\_Name VARCHAR(100),

Country\_Id INT,

FOREIGN KEY (Country\_Id) REFERENCES Dim\_Country(Country\_Id)

);

4. Dim\_Batting\_Style:

CREATE TABLE Dim\_Batting\_Style (

Batting\_Hand\_Id INT PRIMARY KEY,

Batting\_Hand VARCHAR(100)

);

5. Dim\_Bowling\_Style:

CREATE TABLE Dim\_Bowling\_Style (

Bowling\_Skill\_Id INT PRIMARY KEY,

Bowling\_Skill VARCHAR(100)

);

6. Dim\_Extra\_Type:

CREATE TABLE Dim\_Extra\_Type (

Extra\_Type\_Id INT PRIMARY KEY,

Extra\_Name VARCHAR(100)

);

7. Dim\_Role:

CREATE TABLE Dim\_Role (

Role\_Id INT PRIMARY KEY,

Role\_Desc VARCHAR(100)

);

8. Dim\_Player:

CREATE TABLE Dim\_Player (

Player\_Id INT PRIMARY KEY,

Player\_Name VARCHAR(200),

DOB DATE,

Batting\_Hand\_Id INT,

Bowling\_Skill\_Id INT,

Country\_Id INT,

FOREIGN KEY (Batting\_Hand\_Id) REFERENCES Dim\_Batting\_Style(Batting\_Hand\_Id),

FOREIGN KEY (Bowling\_Skill\_Id) REFERENCES Dim\_Bowling\_Style(Bowling\_Skill\_Id),

FOREIGN KEY (Country\_Id) REFERENCES Dim\_Country(Country\_Id)

);

9. Dim\_Season:

CREATE TABLE Dim\_Season (

Season\_Id INT PRIMARY KEY,

Man\_of\_the\_Series INT,

Orange\_Cap INT,

Purple\_Cap INT,

Season\_Year INT,

FOREIGN KEY (Man\_of\_the\_Series) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Orange\_Cap) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Purple\_Cap) REFERENCES Dim\_Player(Player\_Id)

);

10. Dim\_Toss\_Decision:

CREATE TABLE Dim\_Toss\_Decision (

Toss\_Decision\_Id INT PRIMARY KEY,

Toss\_Decision\_Name VARCHAR(100)

);

11. Dim\_Venue:

CREATE TABLE Dim\_Venue (

Venue\_Id INT PRIMARY KEY,

Venue\_Name VARCHAR(100),

City\_Id INT,

FOREIGN KEY (City\_Id) REFERENCES Dim\_City(City\_Id)

);

12. Dim\_Win\_Type:

CREATE TABLE Dim\_Win\_Type (

Win\_Type\_Id INT PRIMARY KEY,

Win\_Type VARCHAR(100)

);

13. Dim\_Out\_Type:

CREATE TABLE Dim\_Out\_Type (

Kind\_Out\_Id INT PRIMARY KEY,

Out\_Name VARCHAR(100)

);

14. Dim\_Outcome:

CREATE TABLE Dim\_Outcome (

Outcome\_Type\_Id INT PRIMARY KEY,

Outcome\_Type VARCHAR(100)

);

15. Dim\_batsman\_scored:

CREATE TABLE Dim\_batsman\_scored (

Match\_Id INT,

Over\_Id INT,

Ball\_Id INT,

Runs\_Scored INT,

Innings\_No INT,

PRIMARY KEY (Match\_Id, Over\_Id, Ball\_Id, Innings\_No)

);

16. Dim\_extra\_run:

CREATE TABLE Dim\_extra\_run (

Match\_Id INT,

Over\_Id INT,

Ball\_Id INT,

Extra\_Type\_Id INT,

Extra\_Runs INT,

Innings\_No INT,

PRIMARY KEY (Match\_Id, Over\_Id, Ball\_Id, Innings\_No),

FOREIGN KEY (Extra\_Type\_Id) REFERENCES Dim\_Extra\_Type(Extra\_Type\_Id)

);

17. Dim\_player\_match:

CREATE TABLE Dim\_player\_match (

Match\_Id INT,

Player\_Id INT,

Role\_Id INT,

Team\_Id INT,

PRIMARY KEY (Match\_Id, Player\_Id),

FOREIGN KEY (Player\_Id) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Role\_Id) REFERENCES Dim\_Role(Role\_Id),

FOREIGN KEY (Team\_Id) REFERENCES Dim\_Team(Team\_Id)

);

18. Dim\_wicket\_taken:

CREATE TABLE Dim\_wicket\_taken (

Match\_Id INT,

Over\_Id INT,

Ball\_Id INT,

Player\_Out INT,

Kind\_Out INT,

Fielders INT,

Innings\_No INT,

PRIMARY KEY (Match\_Id, Over\_Id, Ball\_Id, Innings\_No),

FOREIGN KEY (Player\_Out) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Kind\_Out) REFERENCES Dim\_Out\_Type(Kind\_Out\_Id)

);

19. Dim\_match:

CREATE TABLE Dim\_match (

Match\_Id INT PRIMARY KEY,

Team\_1 INT,

Team\_2 INT,

Match\_Date DATE,

Season\_Id INT,

Venue\_Id INT,

Toss\_Winner INT,

Toss\_Decide INT,

Win\_Type INT,

Win\_Margin INT,

Outcome\_type INT,

Match\_Winner INT,

Man\_of\_the\_Match INT,

FOREIGN KEY (Team\_1) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Team\_2) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Season\_Id) REFERENCES Dim\_Season(Season\_Id),

FOREIGN KEY (Venue\_Id) REFERENCES Dim\_Venue(Venue\_Id),

FOREIGN KEY (Toss\_Winner) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Toss\_Decide) REFERENCES Dim\_Toss\_Decision(Toss\_Decision\_Id),

FOREIGN KEY (Win\_Type) REFERENCES Dim\_Win\_Type(Win\_Type\_Id),

FOREIGN KEY (Outcome\_Type) REFERENCES Dim\_Outcome(Outcome\_Type\_Id),

FOREIGN KEY (Match\_Winner) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Man\_of\_the\_Match) REFERENCES Dim\_Player(Player\_Id)

);

20. Dim\_ball\_by\_ball:

CREATE TABLE Dim\_ball\_by\_ball (

Match\_Id INT,

Over\_Id INT,

Ball\_Id INT,

Innings\_No INT,

Team\_Batting INT,

Team\_Bowling INT,

Striker\_Batting\_Position INT,

Striker INT,

Non\_Striker INT,

Bowler INT,

PRIMARY KEY (Match\_Id, Over\_Id, Ball\_Id, Innings\_No),

FOREIGN KEY (Team\_Batting) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Team\_Bowling) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Striker) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Non\_Striker) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Bowler) REFERENCES Dim\_Player(Player\_Id)

);

-- Fuzzy File:

CREATE TABLE [dbo].[fuzzy\_player\_data](

[Player\_Id] [int] NOT NULL,

[Player\_Name] [varchar](200) NOT NULL,

[Player\_fuzzy\_reference\_Name] [varchar](200) NOT NULL

)

-- Fact Table:

CREATE TABLE Fact\_Match\_Details (

MatchDetail\_Id INT PRIMARY KEY identity,

Match\_Id INT,

Over\_Id INT,

Ball\_Id INT,

Innings\_No INT,

Team\_Batting INT,

Team\_Bowling INT,

Striker\_Batting\_Position INT,

Striker INT,

Non\_Striker INT,

Bowler INT,

Runs\_Scored INT,

Player\_Out INT,

Kind\_Out INT,

Fielders INT,

Extra\_Type\_Id INT,

Extra\_Runs INT,

Season\_Id INT,

Venue\_Id INT,

Toss\_Decide INT,

Win\_Type INT,

Outcome\_Type INT,

Player\_Id INT,

Role\_Id INT,

Team\_Id INT,

Batting\_Hand\_Id INT,

Bowling\_Skill\_Id INT,

Country\_Id INT,

City\_Id INT,

FOREIGN KEY (Match\_Id) REFERENCES Dim\_match(Match\_Id),

FOREIGN KEY (Team\_Batting) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Team\_Bowling) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Striker) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Non\_Striker) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Bowler) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Player\_Out) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Kind\_Out) REFERENCES Dim\_Out\_Type(Kind\_Out\_Id),

FOREIGN KEY (Extra\_Type\_Id) REFERENCES Dim\_Extra\_Type(Extra\_Type\_Id),

FOREIGN KEY (Season\_Id) REFERENCES Dim\_Season(Season\_Id),

FOREIGN KEY (Venue\_Id) REFERENCES Dim\_Venue(Venue\_Id),

FOREIGN KEY (Toss\_Decide) REFERENCES Dim\_Toss\_Decision(Toss\_Decision\_Id),

FOREIGN KEY (Win\_Type) REFERENCES Dim\_Win\_Type(Win\_Type\_Id),

FOREIGN KEY (Outcome\_Type) REFERENCES Dim\_Outcome(Outcome\_Type\_Id),

FOREIGN KEY (Player\_Id) REFERENCES Dim\_Player(Player\_Id),

FOREIGN KEY (Role\_Id) REFERENCES Dim\_Role(Role\_Id),

FOREIGN KEY (Team\_Id) REFERENCES Dim\_Team(Team\_Id),

FOREIGN KEY (Batting\_Hand\_Id) REFERENCES Dim\_Batting\_Style(Batting\_Hand\_Id),

FOREIGN KEY (Bowling\_Skill\_Id) REFERENCES Dim\_Bowling\_Style(Bowling\_Skill\_Id),

FOREIGN KEY (Country\_Id) REFERENCES Dim\_Country(Country\_Id),

FOREIGN KEY (City\_Id) REFERENCES Dim\_City(City\_Id)

);