

**DATABASE MANAGEMENT SYSTEM**

**Project Title:**

**ESPNcricinfo Management System**

**Project By:**

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**ESPNcricinfo Database Project Business Statement**

**Overview**:

**ESPNcricinfo**, commonly known as Cricinfo, is a premier digital platform dedicated to cricket. Established in 1993, it has evolved into one of the largest and most respected sources for cricket-related news, scores, statistics, and analysis. With a global audience of millions, ESPNcricinfo serves as the ultimate destination for cricket enthusiasts seeking comprehensive coverage and insights into the sport.

**History of Organization:**

The roots of **ESPNcricinfo** trace back to the early 1990s when **Dr. Simon King**, a British researcher at the University of Minnesota, created a simple database to track cricket statistics. Recognizing the potential of the internet, King launched the website as **'Cricinfo'** in **1993**, providing cricket fans with access to scores and player information.

Over the years, Cricinfo rapidly expanded its offerings, incorporating live match coverage, news updates, and in-depth analysis. In 2002, ESPN, a global leader in sports media, acquired Cricinfo, marking a significant milestone in its evolution.

Under the **ESPN umbrella**, Cricinfo underwent a rebranding as ESPNcricinfo, solidifying its position as the leading cricket platform worldwide. With ESPN's backing, ESPNcricinfo continued to innovate, introducing new features and technologies to deliver an unparalleled cricket experience to its users.

Today, ESPNcricinfo remains at the forefront of cricket journalism and statistics, providing comprehensive coverage of international and domestic cricket events. Its rich history and dedication to the sport have earned it the trust and admiration of cricket fans around the globe.

**Conceptual Model for ESPNCRICINFO Database:**

To effectively manage the vast amount of cricket-related data, we have developed a conceptual model in the form of an Entity-Relationship Diagram (ERD). This model includes several entities and their relationships, ensuring comprehensive and structured information management.

**Key Entities and Their Interactions:**

**Matches**

Each match involves multiple players and two competing teams. Matches are part of a specific series and tournament, take place at a venue, and are officiated by multiple umpires. Matches are fundamental components of tournaments, which consist of multiple matches determining the overall winners and standings.

**Player**

Players belong to a team and can have numerous batting performances and bowling performances throughout their careers. They also achieve various player records and are ranked in player rankings based on their performances. Each player is associated with a country, contributing to national teams in international competitions. Their career statistics are summarized in batting stats and bowling stats, providing a comprehensive view of their achievements.

**Team**

The team entity participates in matches, and tournaments. Teams are ranked in team rankings based on their performances across different formats. Each team's performance in individual matches is summarized in the team scorecard, capturing key metrics such as runs scored, wickets taken, and overs played. Teams can be national or domestic or league based, participating in various formats like Test, ODI, and T20.

**Tournament**

Each tournament involves multiple matches and teams, overseen by a board. Tournaments have specific attributes such as name, type, winner, runner-up, total matches, format, and date. The board ensures the smooth conduct of these tournaments, manages the organization, and handles logistical aspects.

**Board**

Boards oversee tournaments and organize series in collaboration with other cricket boards. They also give contracts to players, ensuring they are managed and supported throughout their careers. Each board has attributes like name and current chairman, playing a crucial role in the governance of the sport.

**Series**

Series encompass multiple matches involving several teams and are organized in specific countries. A series typically consists of a set number of matches between two national teams, contributing to the overall cricket calendar. Series are managed by boards, which coordinate with each other to schedule and conduct the matches.

**Country**

Countries have their own players, umpires, and venues, forming the foundation of national teams. Each country is identified by its unique attributes and contributes players and officials to the international cricket ecosystem. Countries also host series and tournaments, utilizing their venues for matches.

**Venue**

Venues host matches and are located in specific countries. They have attributes such as name, capacity, and established date, relevant for scheduling and organizing matches. The performance and outcome of matches held at these venues are crucial for historical records and statistics, impacting future scheduling and planning.

**Umpire**

Umpires officiate matches, ensuring that the rules are followed and making critical decisions on the field. Each umpire is associated with a country and has attributes like name, date of birth, and age. Their experience and decisions are integral to the fair conduct of matches.

**News**

The news entity provides updates and information on matches, players and teams. News articles include detailed information such as author, content, title, date, and time, ensuring comprehensive reporting and updates for fans and stakeholders. News coverage plays a crucial role in disseminating information and keeping the cricket community informed.

**Batting Performance**

This represents a player's batting achievements in matches, detailing metrics such as strike rate, fours, sixes, runs, and balls faced.

**Bowling Performance**

This details a player's specific bowling performance in some match, including economy rate, overs bowled, runs conceded, and wickets taken.

**Team Score Card**

This summarizes a team's performance in a match, capturing key statistics such as runs scored, overs played, wickets taken, and extras. This summary provides an overview of how a team performed in a particular match.

**Player Records**

This documents various records held by players, categorized by type and format, highlighting significant achievements and milestones.

**Player Rankings**

This shows the rankings of players in different formats, with attributes like format, date, ranking, points, and type. These rankings provide a comparative measure of player performance across different periods.

**Team Rankings**

This details the rankings of teams, offering insights into team performances over time.

**Batting Stats**

This provides comprehensive career statistics for players, detailing their overall achievements in batting.

**Bowling Stats**

This offers detailed career statistics for players, detailing their overall achievements in bowling.These entities and scenarios make the foundation of our project creation.

**NOUN-VERB ANALYSIS**

* An **Entity type** name is a ***noun***.
* A **Relationship** has a ***verb*** phrase name.

|  |  |  |  |
| --- | --- | --- | --- |
| * Entity | * Relationship | * Entity | * Cardinality |
| Player | Plays\_in | Team,Matches | Ternary relation(M:1:M) |
| Player | has | BattingStats | One to One |
| Player | has | BowlingStats | One to One |
| Player | achieves | PlayerRanking | One to Many |
| Player | sets | PlayerRecords | One to Many |
| Team | has | Team\_scorecard | One to Many |
| Player | Belongs\_to | Country | Many to One |
| Team | achieves | TeamRanking | One to Many |
| Team | has | Team\_scorecard | One to Many |
| Team\_scorecard | Belong\_to | match | Many to One |
| Series | May\_consist\_of | Match | One to Many |
| Match | Played\_at | Venue | Many to One |
| Umpire | officiate | Match | Many to Many |
| Venue | located in | Country | Many to One |
| Country | governs | Board | One to One |
| Team | Belong\_to | Country | Many to One |
| Player | has | BattingPerformance | One to Many |
| Player | has | BowlingPerformance | One to Many |
| News | about | Match | Many to Many |
| BattingPerformance | recorded in | Match | Many to One |
| BowlingPerformance | recorded in | Match | Many to One |
| Tournament | Involves | teams | One to Many |
| Tournament | has | Match | One to Many |
| Player | Contracted\_to | Board | Many to one |
| Board | Organizes | Tournament | One to Many |
| Board | Organizes | Series | Many to Many |
| News | Related\_to | Players | Many to Many |
| News | about | team | Many to Many |
| Player\_record | Made\_in | Match | Many to One |
| Umpire | Belong\_to | Country | Many to One |

* **Attributes** are properties or characteristics of entities. You can think of them as ***adjectives*** describing the entities in your database.

Match Attributes:

* **ID, Date, Title, Time, Result, Format**

Player Attributes:

* **ID, Style, Date of Birth, Name, Address, Gender, Batting style, Bowling Style**

Team Attributes:

* **ID, Name, Type**

Tournament Attributes:

* **ID, Name, Type, Winner, Runner-Up, TotalMatches, Format, Date, Startdate, Enddate**

Board Attributes:

* **ID, Name, Current Chairman**

Series Attributes:

* **ID, Format, Total Matches, Title**

Country Attributes:

* **ID, Name , Current\_chairman**

Venue Attributes:

* **ID, Name, Capacity, Established Date**

Umpire Attributes:

* **ID, Name, Date of Birth, Age**

News Attributes:

* **ID, Author, Content, Title, Date, Time**

BattingPerformance Attributes:

* **Strike Rate, Fours, Sixes, Runs, Balls**

BowlingPerformance Attributes:

* **Economy, Overs, Runs, Wickets**

TeamScoreCard Attributes:

* **Runs Scored, Overs Played, Wickets Taken, Extra**

PlayerRecords Attributes:

* **ID, Type, Format**

PlayerRankings Attributes:

* **ID, Format, Date, Ranking, Points, Type**

TeamRankings Attributes:

* **ID, Date, Format, Ranking, Points**

BattingStats Attributes:

* **Matches, Runs, Balls Played, Format, Fifties, Hundreds, Best, Strike Rate, Average**

BowlingStats Attributes:

* **Matches, Format, Wickets, Runs Conceded, Balls Bowled, Economy, Bowl Best**

**DMBS Software Selection:**

We used **MySql workbench** to make our relational model and write our sql code.

**SQL Code:**

**Create user:**

CREATE USER 'espnuser'@'localhost' IDENTIFIED BY 'dbms';

-- Grant privileges on the ESPN database to the new user-----

GRANT ALL PRIVILEGES ON ESPN.\* TO 'espnuser'@'localhost';

**Tables Creation:**

create database ESPN;

create database if not exists ESPN;

use ESPN;

drop database ESPN;

create table player(

P\_ID INT auto\_increment not null,

P\_FirstName varchar(100) not null,

P\_LastName varchar(100) not null,

P\_Gender varchar(20) not null,

P\_City varchar(100) not null,

P\_Province varchar(100) not null,

P\_BattingStyle varchar(100) not null,

P\_BowlingStyle varchar(100) not null,

P\_DateOfBirth Date not null,

P\_Age int not null,

C\_ID int,

B\_id int,

constraint pk\_PlayerID primary key(P\_ID),

constraint fk\_Country foreign key(C\_ID) references country(C\_ID) on delete cascade on update cascade,

constraint fk\_Board foreign key(B\_id) references Board(B\_id) on delete cascade on update cascade

);

alter table player modify C\_ID int not null;

alter table player add constraint chk\_age check(P\_Age>=0);

SELECT \* FROM player;

drop table player;

create table Team

(

T\_ID INT auto\_increment not null,

T\_Name varchar(200) not null,

T\_Type varchar(200),

C\_ID int,

constraint pk\_TeamID primary key(T\_ID),

constraint fk\_CountryID foreign key(C\_ID) references country(C\_ID) on delete cascade on update cascade

);

alter table Team modify column C\_ID int not null;

drop table Team;

create table Tournament(

TN\_ID int auto\_increment not NULL,

TN\_Name varchar(200) not null,

TN\_Type varchar(200)not null,

TN\_Format varchar(200)not null,

TN\_StartDate date,

TN\_EndDate date,

TN\_TotalMatches int not null,

TN\_Winner varchar(100) not null,

TN\_RunnerUp varchar(100) not null,

B\_id int,

constraint pk\_Tournament primary key(TN\_ID),

constraint fk\_Boardid foreign key(B\_id) references Board(B\_id) on delete cascade on update cascade

);

alter table Tournament modify column B\_id int not null;

alter table Tournament add constraint chk\_date check(TN\_StartDate<TN\_EndDate);

drop table Tournament;

create table PointsTable(

PT\_MatchesPlayed int not null,

PT\_Points int not null,

T\_ID int,

TN\_ID int,

constraint pk\_composite primary key(T\_ID,TN\_ID),

constraint fk\_TEAMID foreign key(T\_ID) references Team(T\_ID) on delete cascade on update cascade,

constraint fk\_TOURNAMENTID foreign key(TN\_ID) references Tournament(TN\_ID) on delete cascade on update cascade

);

alter table PointsTable modify column T\_ID int not null;

alter table PointsTable modify column TN\_ID int not null;

alter table PointsTable add constraint chk\_MatchesPlayed check(PT\_MatchesPlayed>=0),add constraint

chk\_Points check(PT\_Points>=0);

drop table PointsTable;

create table Matches(

M\_ID int auto\_increment not null,

M\_title varchar(200)not null,

M\_Time time not null,

M\_date date not null,

M\_Format varchar(50) not null,

M\_Result varchar(50) not null,

TN\_ID int,

V\_ID int,

SR\_id int,

constraint pk\_Match primary key(M\_ID),

constraint fk\_tournament foreign key(TN\_ID) references Tournament(TN\_ID) on delete cascade on update cascade,

constraint fk\_Venue foreign key(V\_ID) references venue(V\_ID) on delete cascade on update cascade,

constraint fk\_Series foreign key(SR\_id) references series(SR\_id) on delete cascade on update cascade

);

alter table Matches modify column V\_ID int not null;

drop table Matches;

create table country(

C\_ID int not null,

C\_Name varchar(200) not null,

constraint pk\_Country primary key(C\_ID)

);

/\*alter table country add constraint primary key auto\_increment(C\_ID);\*/

drop table country;

create table TeamScoreCard(

SCO\_ID int auto\_increment not null,

SCO\_RunsScored int not null,

SCO\_Extra int null,

SCO\_WicketsTaken int not null,

SCO\_OversPlayed int not null,

T\_ID int,

M\_ID int,

constraint pk\_TeamScore primary key(SCO\_ID),

constraint fk\_ID foreign key(T\_ID) references Team(T\_ID) on delete cascade on update cascade,

constraint fk\_matchesID foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade

);

alter table TeamScoreCard drop column SCO\_ID;

alter table TeamScoreCard drop primary key;

alter table TeamScoreCard modify column T\_ID int not null;

alter table TeamScoreCard modify column M\_ID int not null;

alter table TeamScoreCard add constraint chk\_RunsScored check(SCO\_RunsScored>=0),add constraint

chk\_Extra check(SCO\_Extra>=0),add constraint chk\_WicketsLost check(SCO\_WicketsTaken>=0),add constraint

chk\_OversBowled check(SCO\_OversPlayed>=0);

ALTER TABLE TeamScoreCard ADD COLUMN TS\_id INT NOT NULL;

ALTER TABLE TeamScoreCard modify column TS\_id INT AUTO\_INCREMENT PRIMARY KEY ;

alter table TeamScoreCard drop column TS\_id;

alter table TeamScoreCard add column SCO\_innings int not null;

ALTER TABLE TeamScoreCard

ADD CONSTRAINT pk\_TeamScoreCard PRIMARY KEY (T\_ID, M\_ID, SCO\_innings);

drop table TeamScoreCard;

create table Board(

B\_id int auto\_increment ,

B\_Name varchar(100) not null,

B\_Head varchar(100) not null,

constraint pk\_Board primary key(B\_id)

);

alter table Board add column C\_ID int ;

alter table Board add constraint fk\_C foreign key(C\_ID) references Country(C\_ID) on delete cascade on update cascade;

alter table Board modify column C\_ID int not null;

drop table Board;

create table venue(

V\_ID int auto\_increment not null,

V\_Name varchar(100) not null,

V\_Capacity int not null,

V\_EstablishedDate date not null,

constraint pk\_Venue primary key(V\_ID)

);

alter table venue add constraint chk\_Capacity check(V\_Capacity>=0);

alter table venue add column C\_ID int;

alter table venue add constraint fk\_CID foreign key(C\_ID) references Country(C\_ID) on delete cascade on update cascade;

alter table venue drop constraint fk\_CID;

alter table venue modify column C\_ID int not null;

drop table venue;

create table PlayerRankings(

PR\_ID int auto\_increment not null,

PR\_RankNO int not null,

PR\_Type varchar(100) not null,

PR\_Format varchar(100) not null,

PR\_Points int not null,

PR\_Date date not null,

P\_ID int ,

constraint pk\_RankID primary key(PR\_ID),

constraint fk\_PLAYER foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade

);

alter table PlayerRankings modify column P\_ID int not null;

alter table PlayerRankings add constraint chk\_RankingNumber check(PR\_RankNO>=1),add constraint

chk\_RankingPoints check(PR\_Points>=0);

drop table PlayerRankings;

create table BattingStats(

BSt\_format varchar(100) not null,

BSt\_matches int not null,

BSt\_Runs int null,

BSt\_BattingBest int null,

BSt\_Hundereds int null,

BSt\_fifty int null,

BSt\_BallsPlayed int null,

BST\_StrikeRate float generated always as ((BSt\_Runs/BSt\_BallsPlayed)\*100)stored,

BST\_Average FLOAT generated always as (BSt\_Runs/BSt\_matches) stored,

P\_ID int,

constraint fk\_PID foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade

);

alter table BattingStats modify column P\_ID int not null;

ALTER TABLE BattingStats

ADD CONSTRAINT pk\_BattingStats PRIMARY KEY (P\_ID, BSt\_format);

alter table BattingStats add constraint chk\_StrikeRate check(BST\_StrikeRate>=0),add

constraint chk\_Average check(BST\_Average>=0),add constraint chk\_matches check(BSt\_matches>=0),

add constraint chk\_Runs check(BSt\_Runs>=0),add constraint chk\_BatBest check(BSt\_BattingBest>=0),add

constraint chk\_Hundereds check(BSt\_Hundereds>=0),add constraint chk\_Fifty check(BSt\_fifty>=0),add

constraint chk\_BallPlay check(BSt\_BallsPlayed>=0);

drop table BattingStats;

create table BowlingStats(

BOSt\_Matches int not null,

BOSt\_BowlsBowled int null,

BOSt\_Wickets int null,

BOSt\_RunsConcede int null,

BOSt\_Format varchar(100) not null,

BOSt\_BowlBest varchar(100) null,

BOSt\_Overs decimal (2,2) null,

BOSt\_Economy float generated always as (BOSt\_RunsConcede/BOSt\_Overs) stored,

P\_ID int,

constraint fk\_PI foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade

);

alter table BowlingStats modify column P\_ID int not null;

ALTER TABLE BowlingStats MODIFY P\_ID INT NOT NULL;

ALTER TABLE BowlingStats

ADD CONSTRAINT pk\_BowlingStats PRIMARY KEY (P\_ID, BOSt\_Format);

ALTER TABLE BowlingStats

MODIFY BOSt\_Overs decimal(3,2);

ALTER TABLE BowlingStats

MODIFY BOSt\_Overs decimal(5,1);

alter table BowlingStats add constraint chk\_overs check(BOSt\_Overs>=0),add constraint chk\_Economy

check(BOSt\_Economy>=0),add constraint chk\_BowlsBowl check(BOSt\_BowlsBowled>=0),add constraint

chk\_Wickets check(BOSt\_Wickets>=0),add constraint chk\_RunsConceded check(BOSt\_RunsConcede>=0),add

constraint chk\_StatOvers check(BOSt\_Overs>=0);

drop table BowlingStats;

create table PlayerRecords(

R\_id int auto\_increment not null,

R\_Rank int not null,

R\_Type varchar(100) not null,

R\_Date date not null,

R\_Format varchar(100) not null,

P\_ID int,

constraint pk\_Record primary key(R\_id),

constraint fk\_P foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade

);

alter table PlayerRecords modify column P\_ID int not null;

alter table PlayerRecords add constraint chk\_RecordRanking check(R\_Rank>=0);

alter table PlayerRecords add column M\_ID int;

alter table PlayerRecords add constraint fk\_PRM foreign key(M\_ID) references Matches(M\_ID) on delete cascade

on update cascade;

drop table PlayerRecords;

create table umpire (

U\_ID int auto\_increment not null,

U\_FName varchar(100) not null,

U\_LName varchar(100) not null,

U\_DOB date not null,

U\_Age int not null,

C\_ID int,

constraint pk\_UmpireId primary key(U\_ID),

constraint fk\_Co foreign key(C\_ID) references Country(C\_ID) on delete cascade on update cascade

);

alter table umpire modify column C\_ID int not null;

drop table umpire;

create table TeamRankings(

TR\_ID int auto\_increment not null,

TR\_Rankno int not null,

TR\_format varchar(100),

TR\_Points int not null,

TR\_Date date not null,

T\_ID int,

constraint pk\_TeamRank primary key(TR\_ID),

constraint fk\_TeID foreign key(T\_ID) references Team(T\_ID) on delete cascade on update cascade

);

alter table TeamRankings modify column T\_ID int not null;

alter table TeamRankings add constraint chk\_TeamRankNo check(TR\_Rankno>=1),add constraint chk\_TeamPoints

check(TR\_Points>=0);

drop table TeamRankings;

create table series(

SR\_id int auto\_increment not null,

SR\_title varchar(100) not null,

SR\_Format varchar(50) not null,

SR\_TotalMatches int not null,

constraint pk\_Series primary key (SR\_id)

);

alter table series add constraint chk\_TotalMatchesSeries check(SR\_TotalMatches>=0);

drop table series;

create table BoardSeries(

BS\_StartDate date,

BS\_EndDate date,

B\_ID int,

SR\_id int,

constraint pk\_Comp primary key(B\_ID,SR\_id),

constraint fk\_B foreign key(B\_ID) references Board(B\_ID) on delete cascade on update cascade,

constraint fk\_SR foreign key(SR\_id) references series(SR\_id) on delete cascade on update cascade

);

alter table BoardSeries add constraint chk\_BoardSeriesDate check(BS\_StartDate<BS\_EndDate);

Create table TeamMatchSquad(

P\_Role varchar(100) not null,

M\_ID int,

P\_ID int,

T\_ID int,

constraint pk\_CompositeTMS primary key(M\_ID,P\_ID,T\_ID),

constraint fk\_TMSMATCHID foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade,

constraint fk\_TMSPlayerID foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade,

constraint fk\_TMSTeamID foreign key(T\_ID) references Team(T\_ID) on delete cascade on update cascade

);

RENAME TABLE TeamMatchSquad TO Participation;

alter table Participation ADD CONSTRAINT uc\_MPT UNIQUE(M\_ID, P\_ID, T\_ID);

alter table Participation modify column M\_ID int null;

alter table Participation drop primary key;

ALTER TABLE Participation ADD COLUMN PA\_id INT NOT NULL;

ALTER TABLE Participation modify column PA\_id INT AUTO\_INCREMENT PRIMARY KEY ;

alter table Participation drop column PA\_id ;

drop table series;

create table BattingPerfomance(

PB\_Runs int not null,

PB\_Balls int not null,

PB\_Fours int not null,

PB\_sixes int not null,

PB\_StrikeRate float generated always as ((PB\_Runs/PB\_Balls)\*100) stored,

M\_ID int,

P\_ID int,

constraint fk\_BPMATCH foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade,

constraint fk\_BPPLAYER foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade

);

alter table BattingPerfomance add column HowOut varchar(50) not null;

alter table BattingPerfomance add constraint chk\_BatRuns check(PB\_Runs>=0),add constraint

chk\_BatBowls check(PB\_Balls>=0),add constraint chk\_BatFours check(PB\_Fours>=0),add constraint

chk\_BatSixes check(PB\_sixes>=0),add constraint chk\_BatSR check(PB\_StrikeRate>=0);

alter table BattingPerfomance modify column M\_ID int not null;

alter table BattingPerfomance modify column P\_ID int not null;

alter table BattingPerfomance add column PB\_innings int not null;

ALTER TABLE BattingPerfomance ADD CONSTRAINT pk\_BattingPerformance PRIMARY KEY (M\_ID, P\_ID,PB\_innings);

drop table BattingPerfomance;

create table BowlingPerfomance(

PBL\_Overs decimal(2,1),

PBL\_Runs int not null,

PBL\_Wickets int not null,

PBL\_Economy float generated always as (PBL\_Runs/PBL\_Overs) stored,

P\_ID int,

M\_ID int,

constraint fk\_BowlPPLAYER foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade,

constraint fk\_BowlPMatches foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade

);

ALTER TABLE BowlingPerfomance MODIFY COLUMN PBL\_Overs DECIMAL(3, 1);

alter table BowlingPerfomance add constraint chk\_BowlOvers check(PBL\_Overs>=0),add constraint chk\_BowlRuns check(PBL\_Runs>=0),add constraint chk\_BowlWickets

check(PBL\_Wickets>=0),add constraint chk\_BowlEconomy check(PBL\_Economy>=0);

alter table BowlingPerfomance modify column P\_ID int not null;

alter table BowlingPerfomance modify column M\_ID int not null;

alter table BowlingPerfomance add column PBL\_innings int not null;

ALTER TABLE BowlingPerfomance

ADD CONSTRAINT pk\_BowlingPerformance PRIMARY KEY (PBL\_innings, P\_ID, M\_ID);

drop table BowlingPerfomance;

create table News(

N\_id int auto\_increment not null,

N\_Title varchar(100) null,

N\_Content varchar(100) null,

N\_Author varchar(100) null,

N\_Time time,

N\_Date date,

constraint pk\_News primary key(N\_id)

);

drop table News;

/\*PlayerNews table making with the same attributes as the NewsDetail\*/

create table PlayerNews(

P\_ID int,

N\_id int,

constraint pk\_CompositePN primary key(P\_ID,N\_id),

constraint fk\_PNplayer foreign key(P\_ID) references Player(P\_ID) on delete cascade on update cascade,

constraint fk\_PNnews foreign key(N\_id) references News(N\_id) on delete cascade on update cascade

);

alter table PlayerNews drop constraint fk\_PNplayer;

alter table PlayerNews drop constraint fk\_PNnews;

drop table PlayerNews;

create table MatchNews(

M\_ID int,

N\_id int,

constraint pk\_CompositeMN primary key(M\_ID,N\_id),

constraint fk\_MNmatches foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade,

constraint fk\_MNnews foreign key(N\_id) references News(N\_id) on delete cascade on update cascade

);

create table TeamNews(

T\_ID int,

N\_id int,

constraint pk\_CompositeTN primary key(T\_ID,N\_id),

constraint fk\_TNTeams foreign key(T\_ID) references Team(T\_ID) on delete cascade on update cascade,

constraint fk\_TNNews foreign key(N\_id) references News(N\_id) on delete cascade on update cascade

);

create table MatchUmpires(

M\_ID int,

U\_ID int,

constraint pk\_CompositeMU primary key(M\_ID,U\_ID),

constraint fk\_MUMatches foreign key(M\_ID) references Matches(M\_ID) on delete cascade on update cascade,

constraint fk\_MUUmpires foreign key(U\_ID) references Umpire(U\_ID) on delete cascade on update cascade

);

alter table MatchUmpires add column U\_Role varchar(50);

**Populate tables:**

**use espn;**

INSERT INTO country (C\_ID,C\_Name) VALUES (10,'India'), (12,'Australia'),(16,'Pakistan'),(18,'England'),

(20,'NewZealand');

INSERT INTO country (C\_ID, C\_Name) VALUES (22, 'South Africa');

insert into Board (B\_Name,B\_Head,C\_ID) values ('PCB','Mohsin Naqvi',16),('BCCI','Roger Binny',10)

,('ACB','Mike Baird',12),('NZC','lesley Murdoch',20),('ECB','Richard Thompson',18);

INSERT INTO Board (B\_Name, B\_Head, C\_ID)

VALUES

('RSAC', 'Lawson Naidoo', 22),

('WIC', 'Ricky Skerritt', 25);

alter table venue auto\_increment=100;

insert into venue(V\_Name,V\_Capacity,V\_EstablishedDate,C\_ID) values ('Gaddafi stadium Lahore',27000,'1959-10-11',16),

('Pindi Cricket Stadium',15000,'1992-04-22',16),('Lords Cricket ground',31100,'1814-03-11',18),

('Manchester Cricket ground',50000,'1857-08-17',18),('Narendra Modi stadium Ahmedabad',132200,'1983-03-14',10),

('Eden Gardens Kolkata',68000,'1864-05-18',10),('Dharamshala Cricket stadium(HCPA)',21200,'2003-07-22',10),

('Wankhede Cricket Stadium Mumbai',33006,'1974-11-12',10),('Melbourne Cricket ground',100024,'1853-01-10',12),

('Sydeny Cricket ground',48000,'1913-08-15',12),('Eden Park Auckland',41000,'1910-06-13',20);

alter table player auto\_increment=200;

INSERT INTO player (P\_FirstName, P\_LastName, P\_Gender, P\_City, P\_Province, P\_BattingStyle, P\_BowlingStyle, P\_DateOfBirth, P\_Age, C\_ID, B\_id)

VALUES

('Babar', 'Azam', 'Male', 'Lahore', 'Punjab', 'Right-handed', 'Right-arm off-break', '1994-10-15', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Shaheen', 'Afridi', 'Male', 'Khyber Agency', 'Khyber Pakhtunkhwa', 'Left-handed', 'Left-arm fast', '2000-04-06', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Fakhar', 'Zaman', 'Male', 'Mardan', 'Khyber Pakhtunkhwa', 'Left-handed', 'Slow left-arm orthodox', '1990-04-10', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Mohammad', 'Rizwan', 'Male', 'Peshawar', 'Khyber Pakhtunkhwa', 'Right-handed', 'Right-arm medium', '1992-06-01', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Imam', 'ul-Haq', 'Male', 'Lahore', 'Punjab', 'Left-handed', 'Slow left-arm orthodox', '1995-12-12', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Shadab', 'Khan', 'Male', 'Mianwali', 'Punjab', 'Right-handed', 'Right-arm leg-spin', '1998-10-04', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Haris', 'Rauf', 'Male', 'Rawalpindi', 'Punjab', 'Right-handed', 'Right-arm fast', '1993-11-07', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Hasan', 'Ali', 'Male', 'Mandi Bahauddin', 'Punjab', 'Right-handed', 'Right-arm fast-medium', '1994-07-02', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Mohammad', 'Nawaz', 'Male', 'Rawalpindi', 'Punjab', 'Left-handed', 'Slow left-arm orthodox', '1994-03-21', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Sarfraz', 'Ahmed', 'Male', 'Karachi', 'Sindh', 'Right-handed', 'Right-arm off-break', '1987-05-22', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Asif', 'Ali', 'Male', 'Faisalabad', 'Punjab', 'Right-handed', 'Right-arm medium', '1991-10-01', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Virat', 'Kohli', 'Male', 'Delhi', 'Delhi', 'Right-handed', 'Right-arm medium', '1988-11-05', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Rohit', 'Sharma', 'Male', 'Nagpur', 'Maharashtra', 'Right-handed', 'Right-arm off-break', '1987-04-30', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Jasprit', 'Bumrah', 'Male', 'Ahmedabad', 'Gujarat', 'Right-handed', 'Right-arm fast', '1993-12-06', year(curdate())-year(P\_DateOfBirth), 10, 2),

('KL', 'Rahul', 'Male', 'Bangalore', 'Karnataka', 'Right-handed', 'Right-arm off-break', '1992-04-18', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Hardik', 'Pandya', 'Male', 'Surat', 'Gujarat', 'Right-handed', 'Right-arm fast-medium', '1993-10-11', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Ravindra', 'Jadeja', 'Male', 'Navagam', 'Gujarat', 'Left-handed', 'Slow left-arm orthodox', '1988-12-06', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Mohammed', 'Shami', 'Male', 'Amroha', 'Uttar Pradesh', 'Right-handed', 'Right-arm fast', '1990-09-03', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Shikhar', 'Dhawan', 'Male', 'Delhi', 'Delhi', 'Left-handed', 'Right-arm off-break', '1985-12-05', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Rishabh', 'Pant', 'Male', 'Haridwar', 'Uttarakhand', 'Left-handed', 'Right-arm off-break', '1997-10-04', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Yuzvendra', 'Chahal', 'Male', 'Jind', 'Haryana', 'Right-handed', 'Right-arm leg-spin', '1990-07-23', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Shreyas', 'Iyer', 'Male', 'Mumbai', 'Maharashtra', 'Right-handed', 'Right-arm off-break', '1994-12-06', year(curdate())-year(P\_DateOfBirth), 10, 2),

('Steve', 'Smith', 'Male', 'Sydney', 'New South Wales', 'Right-handed', 'Right-arm leg-spin', '1989-06-02', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Pat', 'Cummins', 'Male', 'Westmead', 'New South Wales', 'Right-handed', 'Right-arm fast', '1993-05-08', year(curdate())-year(P\_DateOfBirth), 12, 3),

('David', 'Warner', 'Male', 'Paddington', 'New South Wales', 'Left-handed', 'Right-arm leg-spin', '1986-10-27', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Aaron', 'Finch', 'Male', 'Colac', 'Victoria', 'Right-handed', 'Slow left-arm orthodox', '1986-11-17', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Glenn', 'Maxwell', 'Male', 'Kew', 'Victoria', 'Right-handed', 'Right-arm off-break', '1988-10-14', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Mitchell', 'Starc', 'Male', 'Baulkham Hills', 'New South Wales', 'Left-handed', 'Left-arm fast', '1990-01-30', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Josh', 'Hazlewood', 'Male', 'Tamworth', 'New South Wales', 'Left-handed', 'Right-arm fast', '1991-01-08', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Marcus', 'Stoinis', 'Male', 'Perth', 'Western Australia', 'Right-handed', 'Right-arm medium-fast', '1989-08-16', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Alex', 'Carey', 'Male', 'Loxton', 'South Australia', 'Left-handed', 'Right-arm medium', '1991-08-27', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Nathan', 'Lyon', 'Male', 'Young', 'New South Wales', 'Right-handed', 'Right-arm off-break', '1987-11-20', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Marnus', 'Labuschagne', 'Male', 'Klerksdorp', 'North West Province', 'Right-handed', 'Right-arm leg-spin', '1994-06-22', year(curdate())-year(P\_DateOfBirth), 12, 3),

('Joe', 'Root', 'Male', 'Sheffield', 'Yorkshire', 'Right-handed', 'Right-arm off-spin', '1990-12-30', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Ben', 'Stokes', 'Male', 'Christchurch', 'Canterbury', 'Left-handed', 'Right-arm fast-medium', '1991-06-04', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Jofra', 'Archer', 'Male', 'Bridgetown', 'St. Michael', 'Right-handed', 'Right-arm fast', '1995-04-01', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Jos', 'Buttler', 'Male', 'Taunton', 'Somerset', 'Right-handed', 'Right-arm medium', '1990-09-08', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Jonny', 'Bairstow', 'Male', 'Bradford', 'West Yorkshire', 'Right-handed', 'Right-arm medium', '1989-09-26', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Chris', 'Woakes', 'Male', 'Birmingham', 'West Midlands', 'Right-handed', 'Right-arm fast-medium', '1989-03-02', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Sam', 'Curran', 'Male', 'Northampton', 'Northamptonshire', 'Left-handed', 'Left-arm medium-fast', '1998-06-03', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Jason', 'Roy', 'Male', 'Durban', 'KwaZulu-Natal', 'Right-handed', 'Right-arm medium', '1990-07-21', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Dawid', 'Malan', 'Male', 'Roehampton', 'London', 'Left-handed', 'Right-arm leg-spin', '1987-09-03', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Mark', 'Wood', 'Male', 'Ashington', 'Northumberland', 'Right-handed', 'Right-arm fast', '1990-01-11', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Moeen', 'Ali', 'Male', 'Birmingham', 'West Midlands', 'Left-handed', 'Right-arm off-break', '1987-06-18', year(curdate())-year(P\_DateOfBirth), 18, 5),

('Kane', 'Williamson', 'Male', 'Tauranga', 'Bay of Plenty', 'Right-handed', 'Right-arm off-spin', '1990-08-08', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Trent', 'Boult', 'Male', 'Rotorua', 'Bay of Plenty', 'Right-handed', 'Left-arm fast-medium', '1989-07-22', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Ross', 'Taylor', 'Male', 'Lower Hutt', 'Wellington', 'Right-handed', 'Right-arm off-break', '1984-03-08', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Tim', 'Southee', 'Male', 'Whangarei', 'Northland', 'Right-handed', 'Right-arm fast-medium', '1988-12-11', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Martin', 'Guptill', 'Male', 'Auckland', 'Auckland', 'Right-handed', 'Right-arm off-break', '1986-09-30', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Tom', 'Latham', 'Male', 'Christchurch', 'Canterbury', 'Left-handed', 'Right-arm medium', '1992-04-02', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Lockie', 'Ferguson', 'Male', 'Auckland', 'Auckland', 'Right-handed', 'Right-arm fast', '1991-06-13', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Jimmy', 'Neesham', 'Male', 'Auckland', 'Auckland', 'Left-handed', 'Right-arm medium-fast', '1990-09-17', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Colin', 'de Grandhomme', 'Male', 'Harare', 'Mashonaland', 'Right-handed', 'Right-arm medium-fast', '1986-07-22', year(curdate())-year(P\_DateOfBirth), 20, 4),

('BJ', 'Watling', 'Male', 'Durban', 'KwaZulu-Natal', 'Right-handed', 'Right-arm medium', '1985-07-09', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Mitchell', 'Santner', 'Male', 'Hamilton', 'Waikato', 'Left-handed', 'Slow left-arm orthodox', '1992-02-05', year(curdate())-year(P\_DateOfBirth), 20, 4),

('Quinton', 'de Kock', 'Male', 'Johannesburg', 'Gauteng', 'Left-handed', 'Right-arm medium', '1992-12-17', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Kagiso', 'Rabada', 'Male', 'Johannesburg', 'Gauteng', 'Right-handed', 'Right-arm fast', '1995-05-25',year(curdate())-year(P\_DateOfBirth), 22, 6),

('Faf', 'du Plessis', 'Male', 'Pretoria', 'Gauteng', 'Right-handed', 'Right-arm leg-spin', '1984-07-13', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Aiden', 'Markram', 'Male', 'Centurion', 'Gauteng', 'Right-handed', 'Right-arm off-break', '1994-10-04', year(curdate())-year(P\_DateOfBirth), 22, 6),

('David', 'Miller', 'Male', 'Pietermaritzburg', 'KwaZulu-Natal', 'Left-handed', 'Right-arm off-break', '1989-06-10', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Anrich', 'Nortje', 'Male', 'Uitenhage', 'Eastern Cape', 'Right-handed', 'Right-arm fast', '1993-11-16',year(curdate())-year(P\_DateOfBirth), 22, 6),

('Lungi', 'Ngidi', 'Male', 'Durban', 'KwaZulu-Natal', 'Right-handed', 'Right-arm fast', '1996-03-29', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Rassie', 'van der Dussen', 'Male', 'Pretoria', 'Gauteng', 'Right-handed', 'Right-arm leg-spin', '1989-02-07', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Tabraiz', 'Shamsi', 'Male', 'Johannesburg', 'Gauteng', 'Left-handed', 'Slow left-arm wrist-spin', '1990-02-18', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Temba', 'Bavuma', 'Male', 'Cape Town', 'Western Cape', 'Right-handed', 'Right-arm medium', '1990-05-17', year(curdate())-year(P\_DateOfBirth), 22, 6),

('Dwaine', 'Pretorius', 'Male', 'Randfontein', 'Gauteng', 'Right-handed', 'Right-arm medium-fast', '1989-03-29', year(curdate())-year(P\_DateOfBirth), 22, 6);

INSERT INTO player (P\_FirstName, P\_LastName, P\_Gender, P\_City, P\_Province, P\_BattingStyle, P\_BowlingStyle, P\_DateOfBirth, P\_Age, C\_ID, B\_id)

VALUES

('Khawaja', 'Nafay', 'Male', 'Karachi', 'Sindh', 'Right-handed', 'Right-arm off break', '2002-02-13', year(curdate())-year(P\_DateOfBirth), 16, 1),

('Imran', 'Rafiq', 'Male', 'Lahore', 'Punjab', 'Right-handed', 'Slow left-arm orthodox', '2001-02-02', year(curdate())-year(P\_DateOfBirth), 16, 1);

alter table Team auto\_increment=300;

insert into Team(T\_Name,T\_Type,C\_ID) VALUES('Pakistan Cricket Team','International',16),

('Peshawar Zalmi','league',16),('Indian Cricket Team','International',10),

('Kolkata Knight Riders','League',10),('England Cricket Team','International',18),

('Nottinghamshire Outlaws','League',18),('Australian Cricket Team','International',12),

('Hobart Hurricanes','League',12),('Newzealand Cricket Team','International',20),

('Wellington Firebirds','League',20),('South African cricket Team','International',22),

('CapeTown knight Riders','League',22);

alter table Tournament auto\_increment=400;

INSERT INTO Tournament (TN\_Name, TN\_Type, TN\_Format, TN\_StartDate, TN\_EndDate, TN\_TotalMatches, TN\_Winner, TN\_RunnerUp, B\_id)

VALUES

('ICC Champions Trophy', 'ODI', 'Groups and Knockout', '2017-06-01', '2017-06-18', 9, 'Pakistan', 'India', 5),

('Champions League', 'T20', 'Round-robin and knockout', '2023-12-05', '2024-02-08', 10, 'Kolkata Knight Riders', 'Peshawar Zalmi', 6);

alter table series auto\_increment=450;

INSERT INTO series (SR\_title, SR\_Format, SR\_TotalMatches)

VALUES

('Pakistan vs India Series', 'T20', 3),

('England vs Australia Series', 'Test', 3);alter table TeamRankings auto\_increment=490;

INSERT INTO TeamRankings (TR\_Rankno, TR\_format, TR\_Points, TR\_Date, T\_ID) VALUES

(1, 'ODI', 120, '2023-01-01', 300),

(2, 'ODI', 115, '2023-01-01', 302),

(3, 'ODI', 125, '2023-01-01', 304),

(4, 'ODI', 110, '2023-01-01', 306),

(5, 'ODI', 105, '2023-01-01', 308),

(6, 'ODI', 100, '2023-01-01', 310),

(1, 'T20', 120, '2023-01-01', 302),

(2, 'T20', 115, '2023-01-01', 300),

(3, 'T20', 125, '2023-01-01', 306),

(4, 'T20', 110, '2023-01-01', 304),

(5, 'T20', 105, '2023-01-01', 308),

(6, 'T20', 100, '2023-01-01', 310),

(1, 'Test', 120, '2023-01-01', 310),

(2, 'Test', 115, '2023-01-01', 302),

(3, 'Test', 125, '2023-01-01', 308),

(4, 'Test', 110, '2023-01-01', 306),

(5, 'Test', 105, '2023-01-01', 304),

(6, 'Test', 100, '2023-01-01', 300);

select\* from TeamRankings;

set sql\_safe\_updates=0;

DELETE FROM TeamRankings; alter table PlayerRankings auto\_increment=600;

insert into PlayerRankings (PR\_RankNO,PR\_Type,PR\_Format,PR\_Points,PR\_Date,P\_ID) values

(1, 'Batsman', 'ODI', 880, '2024-05-21', 200), -- Babar Azam

(2, 'Batsman', 'T20', 870, '2024-05-21', 200), -- Babar Azam

(3, 'Bowler', 'T20', 840, '2024-05-21', 201), -- Shaheen Afridi

(4, 'Bowler', 'ODI', 820, '2024-05-21', 201), -- Shaheen Afrid

(5, 'Batsman', 'T20', 800, '2024-05-21', 202), -- Fakhar Zaman

(9, 'Batsman', 'T20', 780, '2024-05-21', 203), -- Mohammad Rizwan

(11, 'Batsman', 'T20', 740, '2024-05-21', 204), -- Imam-ul-Haq

(4, 'All-rounder', 'T20', 820, '2024-05-21', 205), -- Shadab Khan

(6, 'Bowler', 'T20', 790, '2024-05-21', 206), -- Haris Rauf

(9, 'Bowler', 'T20', 770, '2024-05-21', 207), -- Hasan Ali

(13, 'All-rounder', 'T20', 710, '2024-05-21', 208), -- Mohammad Nawaz

(15, 'Batsman', 'T20', 690, '2024-05-21', 209), -- Sarfraz Ahmed

(17, 'Batsman', 'T20', 680, '2024-05-21', 210), -- Asif Ali

(1, 'Batsman', 'T20', 870, '2024-05-21', 211), -- Virat Kohli

(2, 'Batsman', 'ODI', 860, '2024-05-21', 211), -- Virat Kohli

(4, 'Batsman', 'T20', 835, '2024-05-21', 212), -- Rohit Sharma

(2, 'Bowler', 'T20', 850, '2024-05-21', 213), -- Jasprit Bumrah

(6, 'Batsman', 'T20', 795, '2024-05-21', 214), -- KL Rahul

(3, 'All-rounder', 'T20', 820, '2024-05-21', 215), -- Hardik Pandya

(7, 'All-rounder', 'T20', 760, '2024-05-21', 216), -- Ravindra Jadeja

(8, 'Bowler', 'T20', 745, '2024-05-21', 217), -- Mohammed Shami

(10, 'Batsman', 'T20', 700, '2024-05-21', 218), -- Shikhar Dhawan

(5, 'Batsman', 'T20', 820, '2024-05-21', 219), -- Rishabh Pant

(7, 'Bowler', 'T20', 730, '2024-05-21', 220), -- Yuzvendra Chahal

(11, 'Batsman', 'T20', 675, '2024-05-21', 221), -- Shreyas Iyer,

(25, 'Batsman', 'T20', 890, '2024-05-21', 222), -- Steve Smith

(2, 'Bowler', 'T20', 870, '2024-05-21', 223), -- Pat Cummins

(1, 'Bowler', 'Test', 890, '2024-05-21', 223), -- Pat Cummins

(3, 'Batsman', 'T20', 860, '2024-05-21', 224), -- David Warner

(6, 'Batsman', 'T20', 820, '2024-05-21', 225), -- Aaron Finch

(5, 'All-rounder', 'T20', 830, '2024-05-21', 226), -- Glenn Maxwell

(4, 'Bowler', 'T20', 850, '2024-05-21', 227), -- Mitchell Starc

(5, 'Bowler', 'T20', 800, '2024-05-21', 228), -- Josh Hazlewood

(10, 'All-rounder', 'T20', 780, '2024-05-21', 229), -- Marcus Stoinis

(13, 'Batsman', 'T20', 770, '2024-05-21', 230), -- Alex Carey

(28, 'Bowler', 'T20', 740, '2024-05-21', 231), -- Nathan Lyon

(19, 'Batsman', 'T20', 810, '2024-05-21', 232), -- Marnus Labuschagne

(3, 'Batsman', 'ODI', 890, '2024-05-21', 233), -- Joe Root

(5, 'All-rounder', 'ODI', 860, '2024-05-21', 234), -- Ben Stokes

(7, 'Bowler', 'ODI', 840, '2024-05-21', 235), -- Jofra Archer

(9, 'Batsman', 'ODI', 820, '2024-05-21', 236), -- Jos Buttler

(12, 'Batsman', 'ODI', 800, '2024-05-21', 237), -- Jonny Bairstow

(8, 'All-rounder', 'ODI', 830, '2024-05-21', 238), -- Chris Woakes

(10, 'Bowler', 'ODI', 810, '2024-05-21', 239), -- Sam Curran

(14, 'Batsman', 'ODI', 780, '2024-05-21', 240), -- Jason Roy

(17, 'Batsman', 'ODI', 760, '2024-05-21', 241), -- Dawid Malan

(20, 'Bowler', 'ODI', 740, '2024-05-21', 242), -- Mark Wood

(16, 'All-rounder', 'ODI', 770, '2024-05-21', 243), -- Moeen Ali

(46, 'Bowler', 'T20', 850, '2024-05-21', 235), -- Jofra Archer

(4, 'Batsman', 'ODI', 880, '2024-05-21', 244), -- Kane Williamson

(5, 'Bowler', 'ODI', 860, '2024-05-21', 245), -- Trent Boult

(7, 'Batsman', 'ODI', 840, '2024-05-21', 246), -- Ross Taylor

(9, 'Bowler', 'ODI', 820, '2024-05-21', 247), -- Tim Southee

(13, 'Batsman', 'ODI', 800, '2024-05-21', 248), -- Martin Guptill

(8, 'Batsman', 'ODI', 830, '2024-05-21', 249), -- Tom Latham

(11, 'Bowler', 'ODI', 810, '2024-05-21', 250), -- Lockie Ferguson

(15, 'Batsman', 'ODI', 780, '2024-05-21', 251), -- Jimmy Neesham

(17, 'All-rounder', 'ODI', 760, '2024-05-21', 252), -- Colin de Grandhomme

(20, 'Batsman', 'ODI', 740, '2024-05-21', 253), -- BJ Watling

(16, 'Bowler', 'ODI', 770, '2024-05-21', 254), -- Mitchell Santner

(5, 'Batsman', 'ODI', 870, '2024-05-21', 255), -- Quinton de Kock

(14, 'Bowler', 'ODI', 880, '2024-05-21', 256), -- Kagiso Rabada

(25, 'Batsman', 'ODI', 840, '2024-05-21', 257), -- Faf du Plessis

(6, 'Batsman', 'ODI', 820, '2024-05-21', 258), -- Aiden Markram

(12, 'Batsman', 'ODI', 800, '2024-05-21', 259), -- David Miller

(8, 'Bowler', 'ODI', 830, '2024-05-21', 260), -- Anrich Nortje

(10, 'Bowler', 'ODI', 810, '2024-05-21', 261), -- Lungi Ngidi

(14, 'Batsman', 'ODI', 780, '2024-05-21', 262), -- Rassie van der Dussen

(17, 'Bowler', 'ODI', 760, '2024-05-21', 263), -- Tabraiz Shamsi

(20, 'Batsman', 'ODI', 740, '2024-05-21', 264), -- Temba Bavuma

(16, 'All-rounder', 'ODI', 770, '2024-05-21', 265); -- Dwaine Pretorius

alter table umpire auto\_increment=800;

INSERT INTO umpire (U\_FName, U\_LName, U\_DOB, U\_Age, C\_ID) VALUES

-- Australia

('Simon', 'Taufel', '1971-01-21', year(curdate())-year(U\_DOB), 12),

('Rodney', 'Tucker', '1964-08-28', year(curdate())-year(U\_DOB), 12),

('Paul', 'Reiffel', '1966-04-19', year(curdate())-year(U\_DOB), 12),

('Bruce', 'Oxenford', '1960-03-05', year(curdate())-year(U\_DOB), 12),

('Daryl', 'Harper', '1951-10-23', year(curdate())-year(U\_DOB), 12),

-- England

('Richard', 'Illingworth', '1963-08-23', year(curdate())-year(U\_DOB), 18),

('Nigel', 'Llong', '1969-02-11', year(curdate())-year(U\_DOB), 18),

('Richard', 'Kettleborough', '1973-03-15', year(curdate())-year(U\_DOB), 18),

('Michael', 'Gough', '1979-12-18', year(curdate())-year(U\_DOB), 18),

('Ian', 'Gould', '1957-08-19', year(curdate())-year(U\_DOB), 18),

-- India

('Sundaram', 'Ravi', '1966-04-22', year(curdate())-year(U\_DOB), 10),

('Nitin', 'Menon', '1983-11-06', year(curdate())-year(U\_DOB), 10),

('Chettithody', 'Shamsuddin', '1970-04-22', year(curdate())-year(U\_DOB), 10),

-- South Africa

('Marais', 'Erasmus', '1964-02-27', year(curdate())-year(U\_DOB), 22),

('Adrian', 'Holdstock', '1970-04-27', year(curdate())-year(U\_DOB), 22),

('Shaun', 'George', '1968-09-25', year(curdate())-year(U\_DOB), 22),

-- New Zealand

('Chris', 'Gaffaney', '1975-11-30', year(curdate())-year(U\_DOB), 20),

('Billy', 'Bowden', '1963-04-11', year(curdate())-year(U\_DOB), 20),

-- Pakistan

('Aleem', 'Dar', '1968-06-06', year(curdate())-year(U\_DOB), 16),

('Asad', 'Rauf', '1956-05-12', year(curdate())-year(U\_DOB), 16);

delete from Umpire;

alter table Matches auto\_increment=850;

insert into Matches (M\_title,M\_time,M\_date,M\_Format,M\_Result,TN\_ID,V\_ID,SR\_id)values

('Pakistan VS India','14:30:00', '2023-05-21','T20','Pakistan won by 10 wickets',null,100,450),

('Pakistan VS India','09:15:00', '2023-05-22','T20','India won by 7 runs',null,101,450),

('Pakistan VS India','18:45:00', '2023-05-25','T20','Pakistan won by 50 runs',null,100,450),

('England VS Australia','11:00:00', '2023-07-22','Test','Australia won by one innings and 12 runs',null,108,450),

('England VS Australia','11:00:00', '2023-08-5','Test','Australia won by 7 wickets',null,108,450),

('England VS Australia','10:00:00', '2023-08-20','Test','Australia won by 2 wickets',null,109,450),

('ICC Champions Trophy Final', '19:00:00', '2023-06-15', 'ODI', 'Pakistan won by 5 wickets', 400, 102, NULL),

('ICC Champions Trophy Semifinal 1', '15:00:00', '2023-06-12', 'ODI', 'Pakistan won by 3 wickets', 400, 103, NULL),

('ICC Champions Trophy Semifinal 2', '15:00:00', '2023-06-13', 'ODI', 'India won by 2 runs', 400, 103, NULL),

('ICC Champions Trophy Group Stage Match 1', '09:00:00', '2023-06-01', 'ODI', 'South Africa won by 30 runs', 400, 102, NULL),

('ICC Champions Trophy Group Stage Match 2', '09:00:00', '2023-06-02', 'ODI', 'Pakistan won by 8 wickets', 400, 103, NULL),

('ICC Champions Trophy Group Stage Match 3', '09:00:00', '2023-06-03', 'ODI', 'Australia won by 5 runs', 400, 102, NULL),

('ICC Champions Trophy Group Stage Match 4', '09:00:00', '2023-06-04', 'ODI', 'India won by 7 wickets', 400, 102, NULL),

('ICC Champions Trophy Group Stage Match 5', '09:00:00', '2023-06-05', 'ODI', 'Pakistan won by 4 wickets', 400, 103, NULL),

('ICC Champions Trophy Group Stage Match 6', '09:00:00', '2023-06-06', 'ODI', 'England won by 3 wickets', 400, 102, NULL),

('ICC Champions Trophy Group Stage Match 7', '09:00:00', '2023-06-07', 'ODI', 'New Zealand won by 5 wickets', 400, 103, NULL),

('Champions League Final', '19:30:00', '2024-07-22', 'T20', 'Kolkata Knight Riders won by 4 wickets', 401, 105, NULL),

('Champions League Qualifier 1','15:30:00','2024-07-21','T20','Kolkata Knight Riders won by 3 wickets',401,106,NULL),

('Champions League Qualifier 2', '15:30:00','2024-07-23','T20','Peshawar Zalmi won by 15 runs',401,107,NULL),

('Eliminator 1', '15:30:00', '2024-07-22', 'T20', 'Peshawar Zalmi won by 6 wickets', 401, 104, NULL),

('Champions League Group Stage Match 1', '14:00:00', '2024-07-10', 'T20', 'Kolkata Knight Riders won by 50 runs', 401, 104, NULL),

('Champions League Group Stage Match 2', '14:00:00', '2024-07-11', 'T20', 'Peshawar Zalmi won by 6 wickets', 401, 105, NULL),

('Champions League Group Stage Match 3', '14:00:00', '2024-07-12', 'T20', 'Nottinghamshire Outlaws won by 8 wickets', 401, 106, NULL),

('Champions League Group Stage Match 4', '14:00:00', '2024-07-13', 'T20', 'Hobart Hurricanes won by 4 wickets', 401, 107, NULL),

('Champions League Group Stage Match 5', '14:00:00', '2024-07-14', 'T20', 'Wellington Firebirds won by 6 wickets', 401, 106, NULL),

('Champions League Group Stage Match 6', '14:00:00', '2024-07-15', 'T20', 'Cape Town Knight Riders won by 5 wickets', 401, 104, NULL);

delete from Matches;

alter table BattingStats auto\_increment=1000;

INSERT INTO BattingStats (BSt\_format, BSt\_matches, BSt\_Runs, BSt\_BattingBest, BSt\_Hundereds, BSt\_fifty, BSt\_BallsPlayed, P\_ID)

VALUES

(' ODI',114,5729,158,19,32,6455,200),

('T20', 110, 3955, 122, 3, 36, 3043, 200), -- Babar Azam

('T20', 64, 101, 22, null, null, 80, 201), -- Shaheen Afridi

('T20', 78, 1761, 91, null, 11, 1330, 202), -- Fakhar Zaman

('T20', 83, 3180, 104, 1, 28, 2480, 203), -- Mohammad Rizwan

('T20', 2, 21, 14, null, null, 25, 204), -- Imam ul-Haq

('T20', 47, 632, 52, 0, 1, 447, 205), -- Shadab Khan

('T20', 18, 69, 13, null, null, 53, 206), -- Haris Rauf

('T20', 19, 129, 23, null, null, 69, 207), -- Hasan Ali

('T20', 38, 477, 45, null, null, 355, 208), -- Mohammad Nawaz

('T20', 42, 818, 89, null, 3, 2000, 209), -- Sarfraz Ahmed

('T20', 51, 577, 41, null, null, 431, 210), -- Asif Ali

('T20',109,4037,122,1,37,2922,211), -- virat kohli

('ODI',280,13848,183,50,72,14797,211),

('T20', 143, 3974, 121, 5, 29, 2839, 212), -- Rohit Sharma

('T20', 7, 8, 7, null, null, 13, 213), -- Jasprit Bumrah

('T20', 68, 2265, 110, 2, 22, 1628, 214), -- KL Rahul

('T20', 71, 1348, 71, null, 3, 964, 215), -- Hardik Pandya

('T20', 36, 480, 46, null, null, 383, 216), -- Ravindra Jadeja

('T20', 3, 2,2, null, null, 2, 217), -- Mohammed Shami

('T20', 66, 1759, 92, null, 11, 1392, 218), -- Shikhar Dhawan

('T20', 56, 987, 65, null, 3, 781, 219), -- Rishabh Pant

('T20', 6, 6, 3, null, null, 13, 220), -- Yuzvendra Chahal

('T20', 57, 1104, 74, null, 8, 811, 221), -- Shreyas Iyer

('T20', 55, 1094, 90, null, 5, 872, 222), -- Steve Smith

('T20', 24, 144, 28, null, null, 116, 223), -- Pat Cummins

('Test',89,1295,64,null,3,2904,223),

('T20', 103, 3099, 100, 1, 26, 2172, 224), -- David Warner

('T20', 103, 3120, 172, 2, 19, 2189, 225), -- Aaron Finch

('T20', 98, 2468, 145, 5, 10, 1587, 226), -- Glenn Maxwell

('T20', 19, 94, 14, null, null, 93, 227), -- Mitchell Starc

('T20', 8, 22, 13, null, null, 15, 228), -- Josh Hazlewood

('T20', 49, 940, 78, null, 2, 648, 229), -- Marcus Stoinis

('T20',26 , 233, 37, null, null, 215, 230), -- Alex Carey

('T20', 1, 4, 4, null, null, 4, 231), -- Nathan Lyon

('T20', 1, 2, 2, null, null, 4, 232), -- Marnus Labuschagne

('ODI', 160, 6522, 133, 16, 39, 7516, 233), -- Joe Root

('ODI', 99, 3463, 182, 5, 24, 3619, 234), -- Ben Stokes

('ODI', 11, 32, 8, null, null, 48, 235), -- Jofra Archer

('ODI', 154, 5022, 162, 11,26, 4289, 236), -- Jos Buttler

('ODI', 98, 3868, 141, 11, 17, 3758, 237), -- Jonny Bairstow

('ODI', 88, 1524, 95, null, 6, 1710, 238), -- Chris Woakes

('ODI', 24, 468, 95, null, 1, 489, 239), -- Sam Curran

('ODI', 110, 4271, 180, 12, 21, 4047, 240), -- Jason Roy

('ODI', 30, 1450, 140, 6, 7, 1488, 241), -- Dawid Malan

('ODI', 26, 157, 43, null, null, 156, 242), -- Mark Wood

('ODI', 112, 2355, 128, 3, 6, 2399, 243), -- Moeen Ali

('ODI', 157, 6810, 148, 13, 45, 8368, 244), -- Kane Williamson

('ODI', 52, 216, 21, null, null, 279, 245), -- Trent Boult

('ODI', 220, 8067, 181, 21, 51, 10330, 246), -- Ross Taylor

('ODI', 97, 740, 55, null, 1, 771, 247), -- Tim Southee

('ODI', 195, 7346, 237, 18, 39, 8415, 248), -- Martin Guptill

('ODI', 134, 4099, 145, 7, 24, 4782, 249), -- Tom Latham

('ODI', 30, 122, 19, null, null, 236, 250), -- Lockie Ferguson

('ODI', 65, 1495, 97, null, 7, 1496, 251), -- Jimmy Neesham

('ODI', 35, 742, 74, null, 4, 699, 252), -- Colin de Grandhomme

('ODI', 25, 573, 96, null, 5, 838, 253), -- BJ Watling

('ODI', 78, 1355, 67, null, 3, 1485, 254), -- Mitchell Santner

('ODI', 155, 6770, 178, 21, 30, 7005, 255), -- Quinton de Kock

('ODI', 42, 360, 31, null, null, 450, 256), -- Kagiso Rabada

('ODI', 136, 5507, 185, 12, 35, 6215, 257), -- Faf du Plessis

('ODI', 65, 2121, 175, 3, 10, 2158, 258), -- Aiden Markram

('ODI', 149, 4458, 139, 6, 24, 4315, 259), -- David Miller

('ODI', 7, 40, 10, null, null, 59, 260), -- Anrich Nortje

('ODI', 22, 91, 19, null, null, 185, 261), -- Lungi Ngidi

('ODI', 56, 2360, 134, 6, 14, 2706, 262), -- Rassie van der Dussen

('ODI', 14, 38, 11, null, null, 67, 263), -- Tabraiz Shamsi

('ODI', 37, 1512, 144, 5, 4, 1698, 264), -- Temba Bavuma

('ODI', 13, 192, 50, 0, 1, 224, 265); -- Dwaine Pretorius

INSERT INTO BattingStats (BSt\_format, BSt\_matches, BSt\_Runs, BSt\_BattingBest, BSt\_Hundereds, BSt\_fifty, BSt\_BallsPlayed, P\_ID)

VALUES

('First Class', 10, 800, 150, 2, 4, 1200, 266), -- Player with ID 266

('First Class', 8, 600, 120, 1, 3, 900, 267); -- Player with ID 267

/\*not added onwards\*/

INSERT INTO BowlingStats (BOSt\_Matches, BOSt\_BowlsBowled, BOSt\_Wickets, BOSt\_RunsConcede, BOSt\_Format, BOSt\_BowlBest, BOSt\_Overs, P\_ID)

VALUES

(117, null, null, null, 'T20', null, null, 200), -- Babar Azam

(117,6,0,1,'ODI','0/1',1.0,200),

(64, 1396, 88, 1797, 'T20', '4/22', 232.4, 201), -- Shaheen Afridi

(86, 6, 0, 12, 'T20', '0/12', 1.0, 202), -- Fakhar Zaman

(96, null, null, null, 'T20', null, null, 203), -- Mohammad Rizwan

(2, null, null, null, 'T20', null, null, 204), -- Imam ul-Haq

(98, 2023, 107, 2409, 'T20', '4/8', 337.2, 205), -- Shadab Khan

(66, 1435, 90, 1963, 'T20', '4/18', 239.2, 206), -- Haris Rauf

(51, 1033, 60, 1456, 'T20', '4/18', 172.2, 207), -- Hasan Ali

(60, 1102, 50, 1361, 'T20', '3/5', 183.7, 208), -- Mohammad Nawaz

(61, 12, 0, 15, 'T20', '0/15', 2.0, 209), -- Sarfraz Ahmed

(58, 5, 0, 9, 'T20', '0/9', 0.5, 210), -- Asif Ali

(117, 152, 4, 204, 'T20', '1/13', 25.3, 211), -- Virat Kohli

(292,662,5,680,'ODI','1/14',110.3,211),

(151, 68, 1, 113, 'T20', '1/22', 11.3, 212), -- Rohit Sharma

(62, 1331, 74, 1455, 'T20', '3/11', 221.9, 213), -- Jasprit Bumrah

(72, null, null, null, 'T20', null, null, 214), -- KL Rahul

(92, 1433, 73, 1950, 'T20', '4/16', 238.9, 215), -- Hardik Pandya

(66, 1272, 53, 1506, 'T20', '3/15', 212.0, 216), -- Ravindra Jadeja

(23, 477, 24, 711, 'T20', '3/18', 79.5, 217), -- Mohammed Shami

(68, 20, 2, 66, 'T20', '1/10', 3.3, 218), -- Shikhar Dhawan

(66, null, null, null, 'T20', null, null, 219), -- Rishabh Pant

(80, 1764, 96, 2409, 'T20', '6/25', 294.0, 220),-- Yuzvendra Chahal

(51, 6, 0, 6, 'T20', '0/6', 1.0, 221), -- Shreyas Iyer

(67, 291, 17, 377, 'T20', '3/20', 48.5, 222), -- Steve Smith

(52, 1140, 57, 1412, 'T20', '3/15', 190.0, 223), -- Pat Cummins

(62,12614,269,6063,'Test','6/23', 2102.3,223),

(103, 6, 0, 6, 'T20', '0/6', 1.0, 224), -- David Warner

(103, 12, 0, 27, 'T20', '0/9', 2.0, 225), -- Aaron Finch

(106, 907, 40, 1207, 'T20', '3/10', 151.7, 226), -- Glenn Maxwell

(60, 1350, 74, 1727, 'T20', '4/20', 225.0, 227), -- Mitchell Starc

(45, 1018, 61, 1304, 'T20', '4/12', 169.7, 228), -- Josh Hazlewood

(59, 548, 29, 790, 'T20', '3/18', 91.0, 229), -- Marcus Stoinis

(38, null, null, null, 'T20', null, null, 230), -- Alex Carey

(2, 30, 1, 48, 'T20', '1/33', 5.0, 231), -- Nathan Lyon

(1, 6, 0, 6, 'T20', '0/6', 1.0, 232), -- Marnus Labuschagne

(171, 1638, 27, 1587, 'ODI', '3/52', 273.0, 233), -- Joe Root

(114, 3110, 74, 3137, 'ODI', '5/61', 518.3, 234), -- Ben Stokes

(21, 1139, 42, 913, 'ODI', '6/40', 190.0, 235), -- Jofra Archer

(181, null, null, null, 'ODI', null, null, 236), -- Jos Buttler

(107, null, null, null, 'ODI', null, null, 237), -- Jonny Bairstow

(122, 5737, 173, 5193, 'ODI', '6/45', 956.2, 238), -- Chris Woakes

(32, 1277, 33, 1323, 'ODI', '5/48', 212.9, 239), -- Sam Curran

(116,6,0, 6, 'ODI', '0/6', 1.0, 240), -- Jason Roy

(30, 15, 1, 17, 'ODI', '1/5', 2.5, 241), -- Dawid Malan

(66, 3299, 77, 3039, 'ODI', '4/33', 549.9, 242), -- Mark Wood

(138, 5988, 111, 5311, 'ODI', '4/46', 997.0, 243), -- Moeen Ali

(165, 1467, 37, 1310, 'ODI', '4/22', 244.5, 244), -- Kane Williamson

(114, 5180, 211, 4146, 'ODI', '7/34', 863.3, 245), -- Trent Boult

(236, 42, 0, 35, 'ODI', '0/2', 7.0, 246), -- Ross Taylor

(130, 5075, 221, 3070, 'ODI', '7/33', 845.9, 247), -- Tim Southee

(198, 109, 4, 98, 'ODI', '2/6', 18.2, 248), -- Martin Guptill

(147, null, null, null, 'ODI', null, null, 249), -- Tom Latham

(65, 3300, 99, 3124, 'ODI', '5/45', 550.0, 250), -- Lockie Ferguson

(76, 2448, 71, 2556, 'ODI', '5/27', 408.0, 251), -- Jimmy Neesham

(45, 1548, 30, 1230, 'ODI', '3/26', 258.0, 252), -- Colin de Grandhomme

(28, null, null, null, 'ODI', null, null, 253), -- BJ Watling

(104, 4875, 107, 3960, 'ODI', '5/50', 812.5, 254), -- Mitchell Santner

(155, null, null, null, 'ODI', null, null, 255), -- Quinton de Kock

(68, 5171, 157, 4361, 'ODI', '6/16', 861.9, 256), -- Kagiso Rabada

(143, 192, 2, 189, 'ODI', '1/8', 32.0, 257), -- Faf du Plessis

(68, 881, 18, 833, 'ODI', '2/18', 146.9, 258), -- Aiden Markram

(173, 6, 0, 14, 'ODI', '0/14', 1.0, 259), -- David Miller

(22, 1006, 36, 982, 'ODI', '4/51', 167.7, 260), -- Anrich Nortje

(56, 2619, 88, 2508, 'ODI', '6/58', 436.9, 261), -- Lungi Ngidi

(62, 6, 1, 3, 'ODI', '1/3', 1.0, 262), -- Rassie van der Dussen

(51, 2481, 72, 2284, 'ODI', '5/49', 413.5, 263), -- Tabraiz Shamsi

(38, 37, 0, 22, 'ODI', '0/22', 6.1, 264), -- Temba Bavuma

(27, 1144, 35, 947, 'ODI', '4/36', 190.7, 265); -- Dwaine Pretorius

INSERT INTO BowlingStats (BOSt\_Matches, BOSt\_BowlsBowled, BOSt\_Wickets, BOSt\_RunsConcede, BOSt\_Format, BOSt\_BowlBest, BOSt\_Overs, P\_ID)

VALUES

(10, 1500, 50, 600, 'First Class', '5/40', 250.0, 266), -- Player with ID 266

(8, 1200, 40, 500, 'First Class', '4/30', 200.0, 267); -- Player with ID 267

INSERT INTO PointsTable (PT\_MatchesPlayed, PT\_Points, T\_ID, TN\_ID) VALUES

-- Group A

-- Pakistan

(3, 4, 300, 400),

-- India

(3, 2, 302, 400),

-- Australia

(2, 2, 306, 400),

-- Group B

-- England

(2, 2, 304, 400),

-- New Zealand

(2, 2, 308, 400),

-- South Africa

(2, 2, 310, 400),

-- Champions League

-- Kolkata Knight Riders

(2, 4, 303, 401),

-- Nottinghamshire Outlaws

(2, 2, 305, 401),

-- Peshawar Zalmi

(2, 2, 301, 401),

-- Hobart Hurricanes

(2, 2, 307, 401),

-- Wellington Firebirds

(2, 2, 309, 401),

-- Cape Town Knight Riders

(2, 2, 311, 401);

INSERT INTO BattingPerfomance (PB\_Runs, PB\_Balls, PB\_Fours, PB\_Sixes, M\_ID, P\_ID, HowOut,PB\_innings)

VALUES

-- pakistan vs india

(90, 60, 8, 2, 850, 200, 'Not Out',2), -- Babar Azam

(60, 60, 5, 1, 850, 202, 'Not Out',2), -- Fakhar Zaman

(30, 60, 3, 1, 850, 211, 'Bowled',2), -- Virat Kohli

(20, 15, 2, 0, 850, 212, 'Caught',1),

(10, 8, 1, 0, 850, 213, 'Run Out',1),

(40, 10, 0, 0, 850, 214, 'LBW',1),

(12, 12, 1, 0, 850, 215, 'Caught',1),

(21,10, 0, 0, 850, 216, 'Stumped',1),

(7, 6, 1, 0, 850, 219, 'Bowled',1),

-- pakistan vs india

(82, 50, 6, 2, 851, 211, 'Stumped',2), -- Player ID 230

(40, 30, 4, 1, 851, 212, 'Bowled',2),

(10,10, 1, 1,851,213,'Caught',2),

(40,30, 4,1 ,851,214,'Stumped',2),

(75, 50, 6, 2, 851, 200, 'bowled',1), -- Player ID 230

(40, 30, 4, 1, 851, 201, 'LBW',1),

(10,10,1,1,851,202,'Caught',1),

(40,30,4,1,851,203,'Stumped',1),

-- eng vs aus

(60, 100, 8, 0, 853, 233, 'Caught',1), -- Joe Root

(45, 75, 6, 0, 853, 234, 'Bowled',1), -- Ben Stokes

(20, 50, 2, 0, 853, 235, 'LBW',1), -- Jonny Bairstow

(15, 30, 1, 0, 853, 236, 'Caught',1),

(5, 10, 0, 0, 853, 237, 'Caught',1),

(25, 40, 3, 0, 853, 238, 'Stumped',1),

(10, 20, 1, 0, 853, 239, 'Run Out',1),

(0, 5, 0, 0, 853, 240, 'Bowled',1),

(12, 25, 1, 0, 853, 241, 'Caught',1),

(3, 10, 0, 0, 853, 242, 'Bowled',1),

(1, 3, 0, 0, 853, 243, 'Caught',1),

(50, 90, 7, 0, 853, 233, 'Caught',2), -- Joe Root

(60, 95, 9, 1, 853, 234, 'Bowled',2), -- Ben Stokes

(25, 60, 3, 0, 853, 235, 'LBW',2), -- Jonny Bairstow

(35, 70, 4, 0, 853, 236, 'Caught',2),

(15, 25, 1, 0, 853, 237, 'Caught',2),

(30, 55, 4, 0, 853, 238, 'Stumped',2),

(10, 30, 1, 0, 853, 239, 'Run Out',2),

(5, 10, 0, 0, 853, 240, 'Bowled',2),

(18, 35, 2, 0, 853, 241, 'Caught',2),

(8, 15, 1, 0, 853, 242, 'Bowled',2),

(4, 7, 0, 0, 853, 243, 'Caught',2),

(150, 250, 20, 2, 853, 222, 'Caught',1), -- Steve Smith

(80, 150, 10, 0, 853, 223, 'Bowled',1), -- David Warner

(120, 200, 15, 1, 853, 224, 'LBW',1), -- Marnus Labuschagne

(60, 100, 8, 0, 853, 225, 'Caught',1),

(30, 50, 3, 0, 853, 226, 'Caught',1),

(40, 70, 5, 0, 853, 227, 'Stumped',1),

(20, 40, 2, 0, 853, 228, 'Run Out',1),

(25, 45, 3, 0, 853, 229, 'Caught',1),

(12, 25, 1, 0, 853, 230, 'Bowled',1),

(3, 10, 0, 0, 853, 231, 'Caught',1),

(2, 5, 0, 0, 853, 232, 'Bowled',1),

/\*(80, 130, 10, 2, 853, 230, 'Caught',2), -- Steve Smith

(45, 85, 7, 0, 853, 231, 'Bowled'), -- David Warner

(60, 110, 8, 1, 853, 232, 'LBW'), -- Marnus Labuschagne

(35, 60, 4, 0, 853, 233, 'Caught'),

(15, 25, 2, 0, 853, 234, 'Caught'),

(20, 35, 3, 0, 853, 235, 'Stumped'),

(8, 20, 0, 0, 853, 236, 'Run Out'),

(25, 45, 3, 0, 853, 237, 'Caught'),

(18, 30, 2, 0, 853, 238, 'Bowled'),

(7, 15, 1, 0, 853, 239, 'Caught'),

(5, 8, 0, 0, 853, 240, 'Bowled'),\*/

(70, 80, 8, 2, 856, 211, 'Caught',1), -- Virat Kohli

(45, 60, 5, 1, 856, 212, 'Bowled',1), -- Rohit Sharma

(30, 40, 3, 1, 856, 213, 'Caught',1), -- Shikhar Dhawan

(25, 35, 2, 0, 856, 214, 'Run Out',1), -- MS Dhoni

(15, 25, 1, 0, 856, 215, 'LBW',1), -- Yuvraj Singh

(10, 20, 1, 0, 856, 216, 'Caught',1), -- Hardik Pandya

(5, 10, 0, 0, 856, 217, 'Caught',1), -- Ravindra Jadeja

(10, 15, 1, 0, 856, 218, 'Bowled',1), -- Bhuvneshwar Kumar

(8, 12, 0, 0, 856, 219, 'Caught',1), -- Jasprit Bumrah

(0, 2, 0, 0, 856, 220, 'Caught',1), -- Kuldeep Yadav

(2, 4, 0, 0, 856, 221, 'Not Out',1), -- Yuzvendra Chahal

(155, 75, 7, 1, 856, 200, 'Caught',2), -- Babar Azam

(5, 60, 5, 0, 856, 201, 'Bowled',2), -- Fakhar Zaman

(20, 70, 6, 2, 856, 202, 'Not Out',2), -- Mohammad Hafeez

(20, 30, 3, 0, 856, 203, 'Caught',2), -- Shoaib Malik

(21, 20, 2, 0, 856, 204, 'Run Out',2), -- Sarfaraz Ahmed

-- champions league final

(55, 45, 5, 2, 866, 200, 'Caught',1), -- Babar Azam

(45, 40, 4, 1, 866, 204, 'Bowled',1), -- Imam-ul-Haq

(20, 25, 2, 0, 866, 202, 'Caught',1), -- Fakhar Zaman

(10, 15, 1, 0, 866, 209, 'Run Out',1), -- Sarfaraz Ahmed

(25, 18, 3, 1, 866, 210, 'Caught',1), -- Asif Ali

(30, 20, 2, 2, 866, 203, 'Caught',1), -- Mohammad Rizwan

(5, 8, 0, 0, 866, 208, 'Bowled',1), -- Mohammad Nawaz

(1, 2, 0, 0, 866, 207, 'Caught',1), -- Hasan Ali

(0, 1, 0, 0, 866, 201, 'Bowled',1), -- Shaheen Afridi

(0, 1, 0, 0, 866, 205, 'Not Out',1), -- Shadab Khan

(1, 2, 0, 0, 866, 206, 'Caught',1), -- Haris Rauf

(50, 35, 5, 2, 866, 211, 'Caught',2), -- Virat Kohli

(55, 40, 4, 3, 866, 212, 'Bowled',2), -- Rohit Sharma

(30, 25, 3, 1, 866, 224, 'Caught',2), -- David Warner

(20, 20, 2, 1, 866, 222, 'Run Out',2), -- Steve Smith

(10, 15, 1, 0, 866, 219, 'Caught',2), -- Rishabh Pant

(15, 10, 2, 1, 866, 215, 'Not Out',2), -- Hardik Pandya

(13, 8, 1, 0, 866, 221, 'Not Out',2); -- Shreyas Iyer

delete from BattingPerfomance;

INSERT INTO BowlingPerfomance (PBL\_Overs, PBL\_Runs, PBL\_Wickets, M\_ID, P\_ID,PBL\_innings)

VALUES

(4.0, 25, 2, 850, 201,1), -- Shaheen Afridi

(4.0, 30, 1, 850, 206,1), -- Haris Rauf

(3.0, 20, 1, 850, 205,1), -- Shadab Khan

(3.0, 25, 1, 850, 207,1), -- Hasan Ali

(2.0, 15, 1, 850, 208,1), -- Mohammad Nawaz

(3.0, 35, 0, 850, 213,2), -- Jasprit Bumrah

(4.0, 30, 1, 850, 215,2), -- Hardik Pandya

(4.0, 25, 1, 850, 216,2), -- Ravindra Jadeja

(2.0, 20, 0, 850, 220,2), -- Yuzvendra Chahal

(4.0, 20, 3, 851, 213,2), -- Player ID 230

(4.0, 30, 2, 851, 215,2),

(3.0, 20, 1, 851, 216,2),

(3.0, 25, 0, 851, 220,2),

(2.0, 15, 1, 851, 218,2),

(3.0, 35, 0, 851, 201,1),

(4.0, 30, 1, 851, 202,1),

(4.0, 25, 1, 851, 203,1),

(2.0, 20, 0, 851, 204,1),

(20.0, 75, 3, 853, 233,1), -- James Anderson

(22.0, 80, 2, 853, 234,1), -- Stuart Broad

(18.0, 70, 1, 853, 235,1), -- Jofra Archer

(15.0, 65, 2, 853, 236,1), -- Mark Wood

(10.0, 50, 2, 853, 237,1), -- Jack Leach

/\*(25.0, 85, 4, 853, 233), -- James Anderson

(20.0, 70, 3, 853, 234), -- Stuart Broad

(18.0, 68, 1, 853, 235), -- Jofra Archer

(15.0, 60, 1, 853, 236), -- Mark Wood

(12.0, 55, 1, 853, 237), -- Jack Leach\*/

(20.0, 70, 4, 853, 222,1), -- Pat Cummins

(22.0, 85, 3, 853, 223,1), -- Mitchell Starc

(18.0, 60, 2, 853, 224,1), -- Josh Hazlewood

(15.0, 55, 1, 853, 225,1), -- Nathan Lyon

(10.0, 50, 0, 853, 226,1), -- Cameron Green

(25.0, 90, 5, 853, 222,2), -- Pat Cummins

(20.0, 75, 3, 853, 223,2), -- Mitchell Starc

(18.0, 65, 2, 853, 224,2), -- Josh Hazlewood

(15.0, 60, 0, 853, 225,2), -- Nathan Lyon

(12.0, 55, 0, 853, 226,2), -- Cameron Green

(10.0, 50, 2, 856, 211,2), -- Bhuvneshwar Kumar

(10.0, 60, 2, 856, 212,2), -- Jasprit Bumrah

(8.0, 45, 1, 856, 213,2), -- Hardik Pandya

(10.0, 40, 0, 856, 214,2), -- Ravindra Jadeja

(8.0, 26, 0, 856, 215,2), -- Yuzvendra Chahal

(10.0, 45, 3, 856, 200,1), -- Mohammad Amir

(10.0, 60, 2, 856, 201,1), -- Hasan Ali

(8.0, 50, 2, 856, 202,1), -- Junaid Khan

(10.0, 30, 1, 856, 203,1), -- Shadab Khan

(8.0, 35, 1, 856, 204,1), -- Imad Wasim

(4.0, 30, 2, 866, 206,2), -- Haris Rauf

(4.0, 40, 1, 866, 207,2), -- Hasan Ali

(4.0, 45, 1, 866, 201,2), -- Shaheen Afridi

(3.0, 35, 1, 866, 205,2), -- Shadab Khan

(4.0, 38, 0, 866, 208,2), -- Mohammad Nawaz

(4.0, 30, 3, 866, 227,1), -- Mitchell Starc

(4.0, 35, 2, 866, 223,1), -- Pat Cummins

(4.0, 40, 2, 866, 213,1), -- Jasprit Bumrah

(4.0, 45, 1, 866, 216,1), -- Ravindra Jadeja

(4.0, 42, 2, 866, 221,1); -- Shreyas Iyer

delete from BowlingPerfomance;

alter table News auto\_increment=4000;

INSERT INTO News (N\_Title, N\_Content, N\_Author, N\_Time, N\_Date)

VALUES

('Fight Between Players in Champions League Final',

'A heated exchange between Virat Kohli and Shaheen Afridi during the Champions League final',

'Yahya Hussaini','19:30:00',

'2024-05-23'),

('Virat Kohli Fitness Update',

'Virat Kohli declared fit to play in the upcoming matches after a minor injury during training.',

'Sports Health Reporter',

'09:00:00',

'2024-05-23'),

('Thrilling Finish in Champions League Final',

'Kolkata Knight Riders clinched a nail-biting victory against Peshawar Zalmi',

'Match Reporter',

'22:00:00',

'2024-05-23'),

(' Champions Trophy Final winners',

'Pakistan wons the champions trophy for the first time in 17 years',

'Cricket Analyst',

'18:30:00', '2024-05-23'),

('Kolkata Knight Riders Appoint New Head Coach',

'Kolkata Knight Riders have appointed John Wright as the new head coach.',

'Team Reporter',

'12:00:00',

'2024-05-23'),

('Peshawar Zalmi Announce Final Squad for Champions League Final',

'Peshawar Zalmi have announced their final squad for the upcoming Champions League final',

'Cricket Correspondent',

'13:30:00',

'2024-05-23');

delete from News;

alter table PlayerRecords auto\_increment=5000;

INSERT INTO PlayerRecords (R\_Rank, R\_Type, R\_Date, R\_Format, P\_ID, M\_ID)

VALUES

(3, 'Highest run scorer', '2023-05-21', 'T20', 200, 850),

(1, 'Fastest Fifity', '2023-05-21', 'T20', 200, 850),

(2, 'Highest wicket taker', '2023-05-21', 'T20', 201, 850),

(4, 'Best Economy rate', '2023-05-21', 'T20', 201, 850),

(5, 'Highest run scorer', '2023-05-22', 'T20', 211, 851),

(2, 'Highest strike rate', '2023-05-22', 'T20', 211, 851),

(3, 'Highest run scorer', '2023-05-25', 'T20', 202, 852);

insert into TeamScoreCard(SCO\_RunsScored,SCO\_Extra,SCO\_WicketsTaken,SCO\_OversPlayed,T\_ID,M\_ID,SCO\_innings)

values

(140,10,7,20,302,850,1),

(150,0,0,20,300,850,2),

(172,0,4,20,302,851,1),

(165,0,4,20,300,851,2),

(236,40,10,61,304,853,1),

(542,0,10,157,306,853,1),

(294,46,10,78,304,853,2),

(220,0,10,50,302,856,1),

(221,0,5,43,300,856,2),

(192,0,10,20,301,866,1),

(193,0,6,20,303,866,2);

delete from TeamScoreCard;

insert into PlayerNews(P\_id,N\_id) values

(201,4000),

(211,4000),

(211,4001);

delete from PlayerNews;

insert into MatchNews(M\_id,N\_id) values

(856,4002),

(866,4003);

delete from MatchNews;

insert into TeamNews(T\_ID,N\_id) values

(303,4004),

(301,4005);

insert into BoardSeries(BS\_StartDate,BS\_EndDate,B\_ID,SR\_id)

values

('2023-05-21','2023-05-25',2,450),

('2023-07-22','2023-08-20',3,451);

delete from BoardSeries;

INSERT INTO MatchUmpires (M\_ID, U\_ID, U\_Role)

VALUES

-- Match 1

(850, 800, 'Field Umpire'),

(850, 804, 'Third Umpire'),

-- Match 2

(851, 807, 'Field Umpire'),

(851, 809, 'Third Umpire'),

-- Match 3

(853, 810, 'Field Umpire'),

(853, 813, 'Third Umpire'),

-- Match 4

(856, 816, 'Field Umpire'),

(856, 818, 'Third Umpire'),

-- match 5

(866,815,'Field Umpire'),

(866,819,'Third Umpire');

**Queries asked from database:**

**--------- Find the best batting performance who scored most runs inn match no 850 along with the players name-----**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,b.\*

FROM

player p

INNER JOIN

battingperfomance b ON p.p\_id = b.P\_ID

WHERE

M\_ID = '850'

ORDER BY b.PB\_Runs DESC

LIMIT 1;

**----------- Display the batting style of players whose age is less than 25 and country is pakistan-------**

SELECT

p.P\_FirstName, p.P\_BattingStyle, c.C\_Name

FROM

player p

INNER JOIN

country c ON p.C\_ID = c.C\_ID

WHERE

P\_Age < '25'

AND LOWER(c.c\_name) = 'pakistan';

**------- List the top 5 players with the highest batting averages in t20s-------**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,

b.BST\_Average

FROM

player p

INNER JOIN

battingstats b ON p.P\_ID = b.P\_ID

WHERE

b.bst\_format = 'T20'

ORDER BY b.BST\_Average DESC

LIMIT 5;

**------- Display the player batting rankings in descending order of their points with name in odi format------**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName, pr.\*

FROM

player p

INNER JOIN

playerrankings pr ON p.P\_ID = pr.P\_ID

WHERE

pr.PR\_Format = 'ODI'

AND pr.PR\_Type = 'Batsman'

ORDER BY pr.PR\_Points DESC

LIMIT 10;

**------- Show the teams that participated in champions league.---------**

SELECT

t.\*, tr.tn\_name

FROM

team t

INNER JOIN

pointstable pt ON t.T\_ID = pt.T\_ID

INNER JOIN

tournament tr ON tr.TN\_ID = pt.TN\_ID

WHERE

tr.TN\_Name = 'Champions League';

**------- Find the players who have taken more than 50 wickets in t20 internationals -----**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,

bs.BOSt\_Wickets

FROM

player p

INNER JOIN

bowlingstats bs ON p.P\_ID = bs.P\_ID

WHERE

bs.BOSt\_Wickets >= 50

AND bs.BOSt\_Format = 'T20'

ORDER BY bs.BOSt\_Wickets DESC;

**----------- Find the details of all umpires who have officiated in atleast 1 match-------**

SELECT

u.\*, COUNT(mu.M\_ID) AS MatchOfficiated

FROM

Umpire u

INNER JOIN

MatchUmpires mu ON u.U\_ID = mu.U\_ID

GROUP BY u.U\_ID , u.U\_FName , u.U\_LName , u.U\_DOB , u.U\_Age , u.C\_ID

HAVING COUNT(mu.M\_ID) >= '1';

**-------- Retrieve the highest-ranking player in each format.---------**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,

pr.PR\_Format,

pr.PR\_RankNO

FROM

player p

INNER JOIN

playerrankings pr ON p.P\_ID = pr.P\_ID

WHERE

pr.PR\_RankNO = '1';

**------- Find all players who have scored more than 1000 runs and have 3+ centuries in odis--------**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,

bs.BSt\_Runs,

bs.BSt\_Hundereds

FROM

player p

INNER JOIN

battingstats bs ON p.P\_ID = bs.P\_ID

WHERE

bs.BSt\_Runs >= '1000'

AND bs.BSt\_Hundereds >= '3'

AND bs.BSt\_format = 'ODI';

**------- Get the total number of matches played by each team ------**

SELECT

t.t\_name, COUNT(DISTINCT (p.m\_id))

FROM

team t

INNER JOIN

participation p ON t.t\_id = p.t\_id

GROUP BY t.t\_name;

**-------- Find the total number of wickets taken by each bowler ---------**

SELECT

P.P\_FirstName,

P.P\_LastName,

SUM(BS.BOSt\_Wickets) AS TotalWickets

FROM

Player P

INNER JOIN

BowlingStats BS ON P.P\_ID = BS.P\_ID

GROUP BY P.P\_FirstName , P.P\_LastName

HAVING SUM(BS.BOSt\_Wickets) IS NOT NULL

ORDER BY TotalWickets DESC;

**------- List all teamscorecards in a pakistan vs india matches--------**

SELECT

m.M\_title, t.T\_Name, ts.\*, m.M\_Result

FROM

matches m

INNER JOIN

teamscorecard ts ON m.m\_id = ts.m\_id

INNER JOIN

team t ON ts.t\_id = t.t\_id

WHERE

LOWER(m.M\_title) = 'pakistan vs india';

**--------- give venue details which hosted most matches -------**

SELECT

v.\*, COUNT(m.m\_id) AS matcheshosted

FROM

venue v

INNER JOIN

matches m ON m.V\_ID = v.V\_ID

GROUP BY v.V\_Capacity , v.V\_EstablishedDate , v.V\_ID , v.V\_Name

ORDER BY matcheshosted DESC

LIMIT 1;

**------ give names of all the teams a player has played for---------**

SELECT DISTINCT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS FullName,

t.t\_name

FROM

player p

INNER JOIN

participation pa ON p.P\_ID = pa.P\_ID

INNER JOIN

team t ON pa.t\_id = t.T\_ID

;

**----- List all players from a specific country, 'India'------**

SELECT

p.\*

FROM

player p

INNER JOIN

country c ON p.C\_ID = c.C\_ID

WHERE

c.c\_name = 'India';

**------ best ecomony rate of which bowler in match no 850-------**

SELECT

CONCAT(p.P\_FirstName, ' ', p.p\_lastname) AS fullname,

b.pbl\_economy

FROM

player p

INNER JOIN

bowlingperfomance b ON p.P\_ID = b.p\_id

WHERE

b.M\_ID = 850

ORDER BY b.pbl\_economy ASC

LIMIT 1;

**----- List all teams along with their total points in a specific tournament----**

SELECT

pt.\*, t.t\_name

FROM

pointstable pt

INNER JOIN

team t ON pt.t\_id = t.t\_id

INNER JOIN

tournament tn ON tn.TN\_ID = pt.tn\_id

WHERE

tn.TN\_Name = 'Champions League'

ORDER BY pt.pt\_points DESC;

**--- list the details of cricketboards who collaborated to organixe england vs australia series and series details-----**

SELECT

b.\*, s.\*

FROM

board b

INNER JOIN

boardseries bs ON b.B\_id = bs.B\_id

INNER JOIN

series s ON s.SR\_id = bs.SR\_id

WHERE

s.SR\_title LIKE 'england vs australia series%';

**------- Find the team that has played the most number of matches in all formats combined--------**

SELECT

t.t\_name, COUNT(DISTINCT m.m\_id) AS matches\_played

FROM

team t

INNER JOIN

participation p ON p.T\_ID = t.T\_ID

INNER JOIN

matches m ON p.m\_id = m.M\_ID

GROUP BY t.t\_name

ORDER BY matches\_played DESC

LIMIT 1;

**------- Find the team that has played the most number of matches in t20----**

SELECT

t.t\_name, COUNT(DISTINCT m.m\_id) AS matches\_played

FROM

team t

INNER JOIN

participation p ON p.T\_ID = t.T\_ID

INNER JOIN

matches m ON p.m\_id = m.M\_ID

WHERE

m.M\_Format = 'T20'

GROUP BY t.t\_name

ORDER BY matches\_played DESC

LIMIT 1;