Database Management System &Sql

" CRICKET WORLD CUP MANAGEMENT SYSTEM"

A training report

Submitted in partial fulfillment of the requirements for the award of degree of

B.Tech. in Computer Science and Engineering

Submitted to

LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB

From 02/06/23 to 10/07/23

SUBMITTED BY

Name of student: PRANAV KUMAR

Registration Number: 12112306

Self Declaration

To whom so ever it may concern

I, **Pranav kumar**, **12112306,** hereby declare that the work done by me on "**Database Management System &Sql**" from **06**, **2023** to**07**, **2023**, is a record of original work for the partial fulfillment of the requirements for the award of the degree, **Computer Science and Engineering**.

PRANAV KUMAR (12112306)

Dated: 15 July 2023

Training Certificate

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

Pranav Kumar

for successfully completing Microlearning Program in
Database Management System & Sql

12 July, 2023		BI22LPBI345426258
ISSUED DATE	CEO, Board Infinity Sumesh Nair	CERTIFICATE NO.

BOARD

“ CRICKET WORLD CUP MANAGEMENT SYSTEM”

PRANAV KUMAR

Reg No:12112306

ACKNOWLEDGEMENT

While bringing out this project to its final form, I came across a number of people whose contributions in various ways helped me to complete this project on time. It is a pleasure to convey my gratitude to all of them.

First and foremost, I would like to express my deep sense to my supervisor Prof. Geetika Chatley for her invaluable encouragement, suggestions and support from an early stage which helped me throughout the work. I specially acknowledge her for her advise, supervision, and the vital contribution as and when required during this project.

Secondly, I would also like to thank my friends who helped me a lot in finalizing this project within the limited time frame.

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INTRODUCTION:

My DBMS project is based on Cricket World Cup management system. It provides various information about the various teams participating in the World Cup, in which all the major countries participate. It also provides us with information about the various players participating in the tournament. The database contains details of players, coaches and umpires among others. All the useful information about the entire World Cup are found here.

PROFILE OF THE PROBLEM:

Cricket players and coaches relies heavily on data analytics to decide strategy for upcoming match.Batsmen are told where a bowler pitches the bowl and Bowler are told what is strength and weakness of batsmen.For viewers also, it is important to have data so that they can use data to expect what will happen in match.For fantasy cricket also it is quiet important to have proper data so that they can make a balance team.

DATA REQUIREMENTS:

Entities:

1)Team is an entity type which has many attributes like Team name which uses the data type varchar. Every team has been given a Team ID which is the primary key which is of data type varchar. Team Ranking, Number of Batsmen and Number of Bowlers are of the data type number. There is another attribute – Wicketkeeper which is of multivalued type and accepts varchar data type.

2)Players is an entity type which has an attribute – Player Name. It has a primary key , Player ID. It has a foreign key, Team ID which is the primary key of the entity, Team. There is complex attribute, Number of matches played,

which comprisesof Number of Test Matches, Number of T20 Matches, Number of ODIs.

3) **Batsman** is an entity type which has the attributes – Number of sixes hit, Number of Fours hit, the batting average, and the total runs scored. All of these attributes are of the data type number.

4) **Bowler** is an entity type which has the attribute – type of batsman with varchar data type. It also includes number of wickets and economy which are of the data type number.

5) **Umpire** is an entity type which hasthe attributes name and country of origin of data type varchar. The primary key of this is Umpire Id which is of varchar data type. It also has an attribute Number of matches of data type number.

6) Coach is an entity type with a foreign key,Team ID, which is a primary key of entitydata type . It has a primary key, Coach ID,of data type varchar.It also has another attribute of data type varchar, Name. **7) Captain** is an entity type with aprimary key, Captain ID of data typevarchar. It has two foreign keys, i) Player id from table Players and ii) Team ID from table Team. Number of years of captaincy andNumberof wins are also attributes of this table of data type number

8)Matches is an entity type with a primarykey, match ID, of varchar data type. It has attributes like Team1 Name, Team2 Name, Stadium, Winner Team and Loser Team of data type

varchar. Match date is an attribute which uses the datatype date.

SOFTWARE REQUIREMENT ANALYSIS:

System must allow users to login if they enter the correct login id and password. The users must be able to see the player details of each player in the database. Scores of each match must be visible. Match date and venue should be displayed on the login if the users seek for it. System should display the complete roster of a team including the captain and the players playing in the top 11 and the current rank of the team. The details of the coach must also be available to the users. Referees and their details are also important as the players and the viewers want to see the best referees managing their team's match. Each player's statistics should also be available like total runs , number of matches played etc.System should

display data on each match which has been scored in the duration of the entire tournament. System should allow fixtures to be searched and the date should also be available.

Administrator is in charge of creating the website which is used to access the database. Administrator has all the privileges of the user but has the authority to add and remove data from the database which the user cannot do. Administrator is responsible for creating different user accounts and assigning the id and password. Administrators are the one who generate the fixtures and update them in the database. They should be allowed to enter the team name of home and away teams. He should have the authority to enter and modify the match details like time and venue in case the need to be changed.If any player has been punished for bad behaviour or other reasons and cannot play in

the World Cup anymore the administrator should be able to delete the data from the database. The rank of every team must keep being modified after each match. After a team is eliminated or disqualified the administrator should be able to delete the entire team’s record.

FUNCTIONAL REQUIREMENTS:

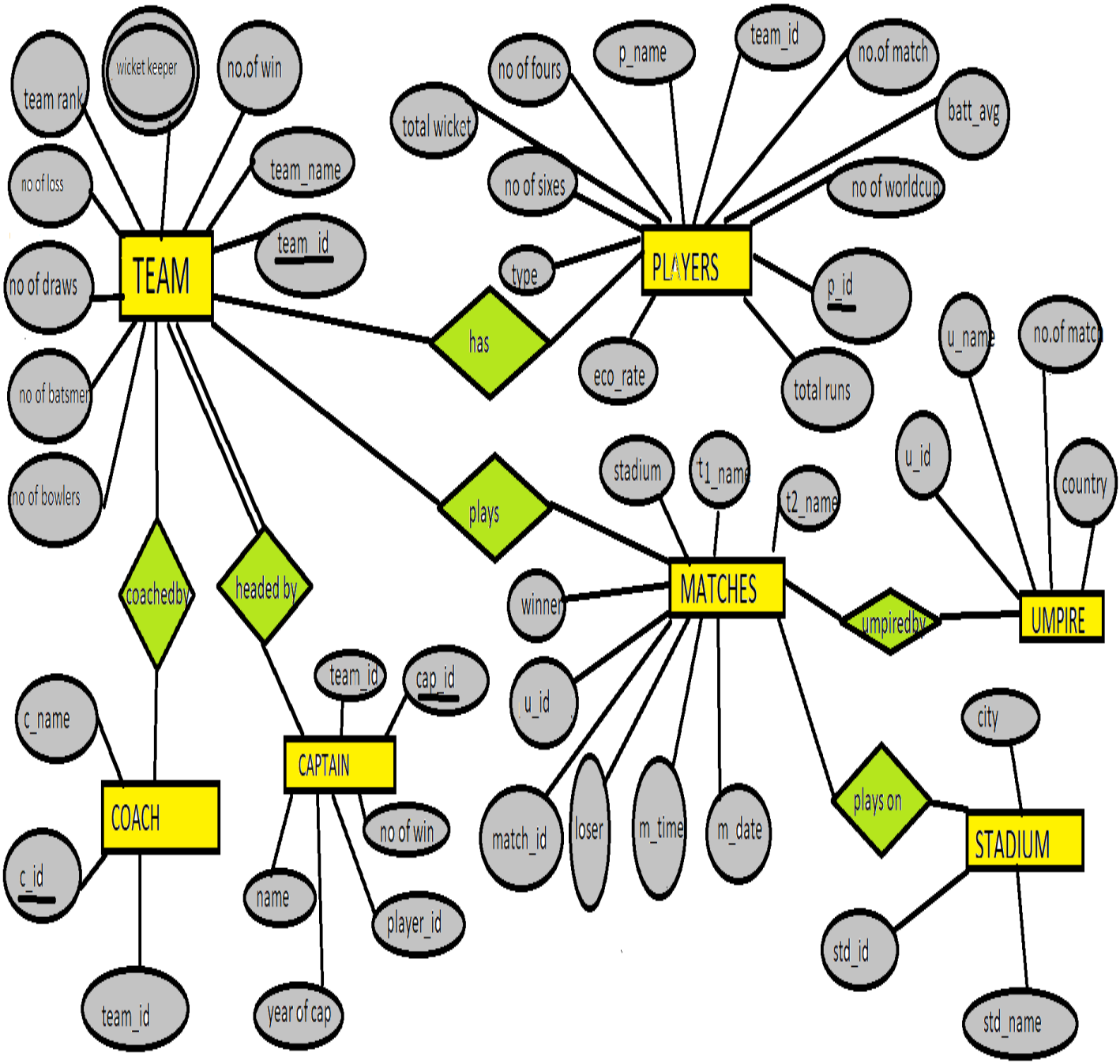
1) VIEWER

- View the website
- Login to the website
- View all teams
- View all players
- View all batsmen and bowlers in this world cup
- View all match reports and match details
- View coach details
- View umpire details
- View ranking of each teams after the match
- View schedule of the world cup
- View stadium details

2) ADMINISTRATOR:

- Create website
- Generate login ID for viewer
- Design website
- Display different menus
- Create world cup
- Display team name
- Display team captain
- Display team squad
- Display player information per match
- Remove old data
- Modify new data
- Modify ranking after every match
- Display information of every team
- Display information of every match

E-R DIAGRAM


team rank
wicket keeper
no.of win
team_name
team_id
no of loss
no of draws
no of batsmen
no of bowlers
TEAM
has
plays
coachedby
headed by
c_name
c_id
COACH
team_id
CAPTAIN
team_id
cap_id
no of win
name
player_id
year of cap
no of fours
p_name
team_id
no.of match
batt_avg
total wicket
no of sixes
no of worldcup
type
PLAYERS
p_id
eco_rate
total runs
u_name
no.of match
u_id
country
stadium
t1_name
t2_name
MATCHES
winner
u_id
match_id
loser
m_time
m_date
umpiredby
UMPIRE
plays on
city
STADIUM
std_id
std_name

TABLES

Code to create tables:

- **TEAMS**

```
create table TEAM(
 team_id varchar(30) primary key,
 team_rank number(3),
 team_name varchar(20) not null,
 no_of_wins number(3),
 no_of_loses number(3),
 no_of_draws number(3),
 no_of_bowlers number(2),
 no_of_batsmen number(2)
);

insert into TEAM
values('IND01',1,'INDIA',5,2,0,5,6);
insert into TEAM
values('AUS02',2,'AUSTRAILA',6,1,0,5,6);
insert into TEAM values('NZ03',3,'NEW
```

```
ZEALAND',5,2,0,5,6);
insert into TEAM values('ENG04',4,'ENGLAND',4,3,0,5,6);
insert into TEAM values('PAK05',5,'PAKISTAN',4,2,1,5,6);
insert into TEAM values('SA06',6,'SOUTH AFRICA',3,3,1,5,6);
insert into TEAM values('WI07',7,'WEST INDIES',3,4,0,7,4);
insert into TEAM values('SL08',8,'SRI LANKA',1,6,0,6,5);

Select *from TEAM
```

TEAM_ID	TEAM_RANK	TEAM_NAME	NO_OF_WINS	NO_OF_LOSES	NO_OF_DRAWS	NO_OF_BOWLERS	NO_OF_BATSMEN
ND01	1	INDIA	5	2	0	5	6
AUS02	2	AUSTRAILA	6	1	0	5	6
NZ03	3	NEW ZEALAND	5	2	0	5	6
ENG04	4	ENGLAND	4	3	0	5	6
PAK05	5	PAKISTAN	4	2	1	5	6
SA06	6	SOUTH AFRICA	3	3	1	5	6
WI07	7	WEST INDIES	3	4	0	7	4
SL08	8	SRI LANKA	1	6	0	6	5

- **CAPTAIN**

```
create table CAPTAIN(
 captain_id varchar(30) primary key,
 captain_name varchar(30),
 team_id references TEAM1,
 player_id varchar(30),
 year_of_captaincy number(2),
 no_of_wins number(4)
);

insert into CAPTAIN values('CAP11','ROHIT SHARMA','IND01','IND1',3,5);
insert into CAPTAIN values('CAP12','ARON FINCH','AUS02','AUS1',6,6);
insert into CAPTAIN values('CAP13','KANE WILLAMSON','NZ03','NZ1',7,5);
insert into CAPTAIN values('CAP14','JOS BUTTLER','ENG04','ENG1',2,4);
insert into CAPTAIN values('CAP15','BABAR AZAM','PAK05','PAK1',5,4);
```

```
insert into CAPTAIN values('CAP16','TEMA BAVUMA','SA06','SA1',3,3);
insert into CAPTAIN values('CAP17','NICHOLAS POORAN','WI07','WI1',3,3);
insert into CAPTAIN values('CAP18','DASUN SANAKA','SL08','SL1',3,1);

SELECT *FROM CAPTAIN
```

CAPTAIN_ID	CAPTAIN_NAME	TEAM_ID	PLAYER_ID	YEAR_OF_CAPTAINCY	NO_OF_WINS
CAP11	ROHIT SHARMA	IND01	IND1	3	5
CAP12	ARON FINCH	AUS02	AUS1	6	6
CAP13	KANE WILLAMSON	NZ03	NZ1	7	5
CAP14	JOS BUTTLER	ENG04	ENG1	2	4
CAP16	TEMA BAVUMA	SA06	SA1	3	3
CAP17	NICHOLAS POORAN	WI07	WI1	3	3
CAP18	DASUN SANAKA	SL08	SL1	3	1
CAP15	BABAR AZAM	PAK05	PAK1	5	4

WICKET KEEPER

```
create table WICKETKEEPER(
 team_id references TEAM1,
 wk_name varchar(30)
);

insert into WICKETKEEPER values('IND01','RISHAV PANT');
insert into WICKETKEEPER values('AUS02','MATTHEW WADE');
insert into WICKETKEEPER values('NZ03','DEVON CONWAY');
insert into WICKETKEEPER values('ENG04','JOS BUTTLER');
insert into WICKETKEEPER values('PAK05','MOHAMMAD RIZWAN');
insert into WICKETKEEPER values('SA06','QUINTON DECOCK');
insert into WICKETKEEPER
```

```
values('WI07','NICHOLAS POORAN');
insert into WICKETKEEPER values('SL08','KUSAL MENDIS');

SELECT *FROM WICKETKEEPER
```

TEAM_ID	WK_NAME
IND01	RISHAV PANT
AUS02	MATTHEW WADE
NZ03	DEVON CONWAY
ENG04	JOS BUTTLER
PAK05	MOHAMMAD RIZWAN
WI07	NICHOLAS POORAN
SA06	QUINTON DECOCK
SL08	KUSAL MENDIS

- **COACHES**

```
create table COACH(
 coach_id varchar(30) primary key,
 team_id references TEAM1,
 coach_name varchar(30)
);


insert into COACH values('CH1','IND01','RAHUL DRAVID');
insert into COACH values('CH2','AUS02','ANDREW MCDONALD');
insert into COACH values('CH3','NZ03','GARY STEAD');
insert into COACH values('CH4','ENG04','BRENDON MCCULLUM');
insert into COACH values('CH5','PAK05','SAQLQIN MUSHTAQ');
insert into COACH values('CH6','SA06','MARK BOUCHER');
```

```
insert into COACH values('CH7','WI07','PHIL SIMMONS');
insert into COACH values('CH8','SL08','CHRIS SILVERWOOD');

SELECT *FROM COACH
```

COACH_ID	TEAM_ID	COACH_NAME
CH1	IND01	RAHUL DRAVID
CH2	AUS02	ANDREW MCDONALD
CH3	NZ03	GARY STEAD
CH4	ENG04	BRENDON MCCULLUM
CH5	PAK05	SAQLQIN MUSHTAQ
CH6	SA06	MARK BOUCHER
CH7	WI07	PHIL SIMMONS
CH8	SL08	CHRIS SILVERWOOD

- **PLAYERS**

```
create table PLAYER(
 player_id varchar(30) primary key,
 player_name varchar(30),
 team_id varchar(30),
 no_of_worldcups number(2),
 number_of_matches number(3),
 batting_average number(3),
 no_of_sixes number(3),
 no_of_fours number(3),
 no_of_totalruns number(4),
 no_of_wickets number(2),
 type_of_bowler varchar(30),
 economy_RATE number(3)
);

insert into PLAYER values('IND1','ROHIT SHARMA','IND01',2,7,52,24,45,648,0,'spin',0);
insert into PLAYER values('AUS2','DAVID WARNER','AUS02',2,7,51,12,67,602,0,'spin',0);
```

```
insert into PLAYER values('IND9','JASPRIT BUMRAH','IND01',1,7,11,2,4,48,20,'pace',6.8);
insert into PLAYER values('NZ1','MARTIN GUPTIL','NZ03',3,7,45,20,35,548,0,'spin',0);
insert into PLAYER values('IND3','VIRAT KOHLI','IND01',3,7,48,12,65,521,0,'medium',0);
insert into PLAYER values('SA3','FAF DUPLESIS','SA06',2,7,42,18,71,550,0,'spin',0);
insert into PLAYER values('PAK8','SAHEEN AFRIDI','PAK05',1,7,12,8,16,122,16,'pace',5.5);
insert into PLAYER values('AUS9','JOSH HAZELWOOD','AUS02',1,7,11,2,4,56,18,'PACE',5.9
);
insert into PLAYER values('ENG8','ADIL RASHID','ENG04',2,7,2,2,4,41,17,'spin',6.9);
insert into PLAYER values('WI1','SHAI HOPE','WI07',1,7,48,13,41,448,0,'spin',0);
insert into PLAYER values('SL11','LASITH MALINGA','SL08',4,7,11,2,5,61,22,'PACE',7.3);

SELECT *FROM PLAYER
```

PLAYER_ID	PLAYER_NAME	TEAM_ID	NO_OF_WORLDCUPS	NUMBER_OF_MATCHES	BATTING_AVERAGE	NO_OF_SIXES	NO_OF_FOURS	NO_OF_TOTALRUNS	NO_OF_WICKETS	TYPE
IND9	JASPRIT BUMRAH	IND01	1	7	11	2	4	48	20	pace
NZ1	MARTIN GUPTIL	NZ03	3	7	45	20	35	548	0	spin
IND3	VIRAT KOHLI	IND01	3	7	48	12	65	521	0	mediu
SA3	FAF DUPLESIS	SA06	2	7	42	18	71	550	0	spin
PAK8	SAHEEN AFRIDI	PAK05	1	7	12	8	16	122	16	pace
AUS9	JOSH HAZELWOOD	AUS02	1	7	11	2	4	56	18	PACE
ENG8	ADIL RASHID	ENG04	2	7	2	2	4	41	17	spin
WI1	SHAI HOPE	WI07	1	7	48	13	41	448	0	spin
SL11	LASITH MALINGA	SL08	4	7	11	2	5	61	22	PACE
IND1	ROHIT SHARMA	IND01	3	7	52	24	45	648	0	spin
AUS2	DAVID WARNER	AUS02	2	7	51	12	67	602	0	spin

UMPIRE

```
create table UMPIRE(
 umpire_id varchar(30) primary key,
 umpire_name varchar(30),
 no_of_matches number(4),
 country varchar(20)
);

insert into UMPIRE values('UM1','ROD TUCKER',98,'AUSTRALIA');
insert into UMPIRE values('UM2','MARAIS ERASMUS',104,'SOUTH AFRICA');
insert into UMPIRE values('UM3','ALEEM DAR',87,'PAKISTAN');
insert into UMPIRE values('UM4','PAUL REIFFEL',34,'AUSTRALIA');
insert into UMPIRE values('UM5','RICHARD KETTLEBOROUGH',109,'ENGLAND');
insert into UMPIRE values('UM6','CHRIS GAFFANEY',96,'NEW ZEALAND');
```

```
insert into UMPIRE values('UM7','NITIN MENON',39,'INDIA');
insert into UMPIRE values('UM8','KUMAR DHARMASENA',111,'SRI LANKA');
insert into UMPIRE values('UM9','RICHARD ILLINGWORTH',76,'ENGLAND');
insert into UMPIRE values('UM10','MICHAEL GOUGH',54,'ENGLAND');

SELECT *FROM UMPIRE
```

UMPIRE_ID	UMPIRE_NAME	NO_OF_MATCHES	COUNTRY
UM1	ROD TUCKER	98	AUSTRALIA
UM2	MARAIS ERASMUS	104	SOUTH AFRICA
UM3	ALEEM DAR	87	PAKISTAN
UM4	PAUL REIFFEL	34	AUSTRALIA
UM5	RICHARD KETTLEBOROUGH	109	ENGLAND
UM6	CHRIS GAFFANEY	96	NEW ZEALAND
UM7	NITIN MENON	39	INDIA
UM8	KUMAR DHARMASENA	111	SRI LANKA
UM9	RICHARD ILLINGWORTH	76	ENGLAND
UM10	MICHAEL GOUGH	54	ENGLAND

- **MATCHES**

```
create table MATCHES(
 match_id varchar(20) primary key,
 match_date date,
 match_time timestamp(0),
 team_1_name varchar(30),
 team_2_name varchar(30),
 loser varchar(30),
 winner varchar(30),
 stadium varchar(30),
 umpire_id references umpire
);

insert into MATCHES values('MAT1',to_date('22-5-2019','dd-mm-yyyy'),to_timestamp('9:30','hh24:mi'),'SOUTH AFRICA','ENGLAND','SOUTH AFRICA','ENGLAND','EDGABASTON','UM6');
insert into MATCHES values('MAT02',to_date('23-5-2019','dd-mm-
```

```
yyyy'),to_timestamp('10:30','hh24:mi'),'WEST
INDIES','PAKISTAN','PAKISTAN','WEST
INDIES','NOTTINGHAM','UM2');
insert into MATCHES values('MAT03',to_date('24-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'NEW
ZEALAND','SRI LANKA','SRI LANKA','NEW
ZEALAND','CARDIAFF','UM1');
insert into MATCHES values('MAT04',to_date('25-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'AUSTRALI
A','ENGLAND','AUSTRALIA','ENGLAND','EDGABAS
TON','UM7');
insert into MATCHES values('MAT05',to_date('26-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'SOUTH
AFRICA','INDIA','SOUTH
AFRICA','INDIA','SOUTHAMPTON','UM3');
insert into MATCHES values('MAT06',to_date('27-
5-2019','dd-mm-
yyyy'),to_timestamp('11:30','hh24:mi'),'WEST
```

```
INDIES','ENGLAND','WEST
INDIES','ENGLAND','BRISTOL','UM6');
insert into MATCHES values('MAT07',to_date('28-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'SOUTH
AFRICA','AUSTRALIA','SOUTH
AFRICA','AUSTRALIA','EDGABASTON','UM4');
insert into MATCHES values('MAT08',to_date('29-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'INDIA','EN
GLAND','INDIA','ENGLAND','LONDON','UM9');
insert into MATCHES values('MAT09',to_date('30-
5-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'NEW
ZEALAND','WEST INDIES','WEST INDIES','NEW
ZEALAND','NOTTINGHAM','UM9');
insert into MATCHES values('MAT10',to_date('01-
6-2019','dd-mm-
yyyy'),to_timestamp('9:30','hh24:mi'),'INDIA','PA
KISTAN','PAKISTAN','INDIA','MANCHESTER','UM1
0');
```

```
insert into MATCHES values('MAT11',to_date('02-6-2019','dd-mm-yyyy'),to_timestamp('9:30','hh24:mi'),'SRI LANKA','WEST INDIES','WEST INDIES','SRI LANKA','TAUNTON','UM5');


SELECT *FROM MATCHES
```

MATCH_ID	MATCH_DATE	MATCH_TIME	TEAM_1_NAME	TEAM_2_NAME	LOSER	WINNER	STADIUM	UMPIRE_ID
MAT02	05/23/2019	01-NOV-22 10.30.00 AM	WEST INDIES	PAKISTAN	PAKISTAN	WEST INDIES	NOTTINGHAM	UM2
MAT03	05/24/2019	01-NOV-22 09.30.00 AM	NEW ZEALAND	SRI LANKA	SRI LANKA	NEW ZEALAND	CARDIAFF	UM1
MAT04	05/25/2019	01-NOV-22 09.30.00 AM	AUSTRALIA	ENGLAND	AUSTRALIA	ENGLAND	EDGABASTON	UM7
MAT05	05/26/2019	01-NOV-22 09.30.00 AM	SOUTH AFRICA	INDIA	SOUTH AFRICA	INDIA	SOUTHAMPTON	UM3
MAT06	05/27/2019	01-NOV-22 11.30.00 AM	WEST INDIES	ENGLAND	WEST INDIES	ENGLAND	BRISTOL	UM6
MAT07	05/28/2019	01-NOV-22 09.30.00 AM	SOUTH AFRICA	AUSTRALIA	SOUTH AFRICA	AUSTRALIA	EDGABASTON	UM4
MAT08	05/29/2019	01-NOV-22 09.30.00 AM	INDIA	ENGLAND	INDIA	ENGLAND	LONDON	UM9
MAT09	05/30/2019	01-NOV-22 09.30.00 AM	NEW ZEALAND	WEST INDIES	WEST INDIES	NEW ZEALAND	NOTTINGHAM	UM9
MAT10	06/01/2019	01-NOV-22 09.30.00 AM	INDIA	PAKISTAN	PAKISTAN	INDIA	MANCHESTER	UM10
MAT11	06/02/2019	01-NOV-22 09.30.00 AM	SRI LANKA	WEST INDIES	WEST INDIES	SRI LANKA	TAUNTON	UM5

● STADIUM

```
create table STADIUM(
 stadium_id varchar(30) primary key,
 stadium_name varchar(30),
 stadium_city varchar(30)
);

insert into STADIUM values(1,'kennington oval','London');insert into STADIUM values(2,'lords','London');insert into STADIUM values(3,'edgbaston','Birminghanm');insert into STADIUM2 values(4,'sophia garden','Cardiff');insert into STADIUM values(5,'old trafforf','Manchester');insert into STADIUM values(6,'county ground','Taunton');insert into STADIUM values(7,'trent bridge','Nottingham');insert into STADIUM2 values(8,'rose bowl','Southampton');insert into STADIUM values(9,'county ground','Bristol');
```

SELECT *FROM STADIUM

STADIUM_ID	STADIUM_NAME	STADIUM_CITY
1	kennington oval	London
2	lords	London
3	edgbaston	Birminghanm
4	sophia garden	Cardiff
5	old trafforf	Manchester
6	county ground	Taunton
7	trent bridge	Nottingham
8	rose bowl	Southampton
9	county ground	Bristol

IMPLEMENTATION:

1. UPDATION:

Add column named ‘PLAYER_NAME’ in table PLAYER

```
alter table player add player_name varchar(20);
update player set player_name = '&player_name' where player_id = '&player_id';
```

PLAYER_ID	TEAM_ID	NO_OF_WORLDCUPS	NUMBER_OF_MATCHES	BATTING_AVERAGE	NO_OF_SIXES	NO_OF_FOURS	NO_OF_TOTALRUNS	NO_OF_WICKETS	TYPE_OF_BOWLER
IND1	IND01	3	7	52	24	45	648	0	spin

1 rows returned in 0.02 seconds Download

---

2. JOIN/NESTING/SET OPERATIONS

Display the name of umpire who have not umpired in TAUNTON stadium

```
select umpire_name from umpire minus select umpire_name from umpire
where umpire_id in(select umpire_id from matches where stadium='TAUNTON');
```

UMPIRE_NAME
ALEEM DAR
CHRIS GAFFANEY
KUMAR DHARMASENA
MARAIS ERASMUS
MICHAEL GOUGH
NITIN MENON
PAUL REIFFEL
RICHARD ILLINGWORTH
ROD TUCKER

9 rows returned in 0.01 seconds

Display the name of coach who has coached a player with total runs greater than 500

```
select distinct coach_name from coach where team_id in(select team_id
from player where no_of_totalruns>500 );
```

COACH_NAME
RAHUL DRAVID

Display the team name whose players have batting average greater than 50

```
select team_name from TEAM natural join player where batting_average>50;
```

TEAM_NAME
INDIA

Display name of wicket keeper who is also the captain of his team

```
select wk_name from WICKETKEEPER natural join CAPTAIN where captain_name =wk_name;
```

WK_NAME
JOS BUTTLER
NICHOLAS POORAN

CONCLUSION

After completing the project, I arrived at a conclusion that data management is very important as it helps better optimization of data in turn,helps make better decisions keeping in mind the rules,regulations,and policies. Benefits of Data management are, it increase efficiency and productivity,it reduced cost,enhanced security and improved customer service. This project also contain data of cricket which definitely helps the teams as well as viewers.

REFERENCES:

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