

A  
Project Report  
On  
**SPORTS EVENT MANAGEMENT SYSTEM**

Developed by

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**DHARMSINH DESAI UNIVERSITY**  
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**CERTIFICATE**

This is to certify that the project entitled “Sports Event Management System” is a bonafied report of the work carried out by

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# TABLE OF CONTENTS

|  |     |
|--|-----|
| I. Certificate.....  | II  |
| II. Acknowledgement.....   | III |
| 1. SYSTEM OVERVIEW .....   |     |
| 1.1 Current system.....  | 1   |
| 1.2 Objectives of the Proposed System.....   | 1   |
| 1.3 Advantages of the Proposed system (over current).....                          | 1   |
| 1.4 Entities.....  | 2   |
| 1.5 User Roles.....  | 3   |
| 1.6 Role Wise Requirement Listing.....   | 3   |
| 2. E-R DIAGRAM.....  | 4   |
| 3. DATA DICTIONARY.....  | 5   |
| 4. SCHEMA DIAGRAM.....   | 8   |
| 5. DATABASE IMPLEMENTATION.....  |     |
| 5.1 Create Schema.....   | 9   |
| 5.2 Insert Data values.....  | 14  |
| 5.3 Queries (Based on functions, group by, having, joins, sub query etc.)<br>..... | 21  |
| 5.4 PL/SQL Blocks .....  | 25  |
| 5.5 Functions.....   | 27  |
| 5.6 Triggers.....  | 28  |
| 5.7 Cursors.....   | 33  |
| 5.8 Views.....   | 35  |
| 6. FUTURE ENHANCEMENTS OF THE SYSTEM.....  | 36  |
| 7.BIBLIOGRAPHY.....  | 37  |

# **1. SYSTEM OVERVIEW**

## **1.1 CURRENT SYSTEM**

- Tasks and responsibilities of Sports Event Management System's administrator: Event management and planning; Managing sports event and competitions.
- the proposed system involves registration of players through computers. and it restricts
- some school or college organize sports events then they do the registration of the players are manual using paper forms. Using this kind of system, it is difficult to fetch some players or winner information and it is also difficult to fetch particular sports detail.
- duplication of player's registration.

## **1.2 OBJECTIVE OF THE PURPOSED SYSTEM**

- automate and facilitate of managing the sports events from.
- organizer can get whole data of students, coach, team..
- organizers also can enter details related to them like competition detail, venue and sponsor detail and store this kind of information together in meaning way.
- It is easy for the admin to store data and it also provides data security.
- get information like number of players who participating on particular sport, winner detail, age and gender wise players details.

## **1.3 ADVANTAGES OF THE PURPOSED SYSTEM**

Through this system we try to achieve the below objectives

- Overcomes the dependency of a single person handling all the sport activity.
- Multiple teacher can use the web interface to login and perform desired task.
- It will become easy for handling the event.
- It will easy to access the system anywhere and anytime.
- admin can easily arrange the competition and store the data.

## **1.4 ENTITIES**

- Players
- Coach
- Sports
- Competition
- Team
- Winner
- Sponsor
- Venue

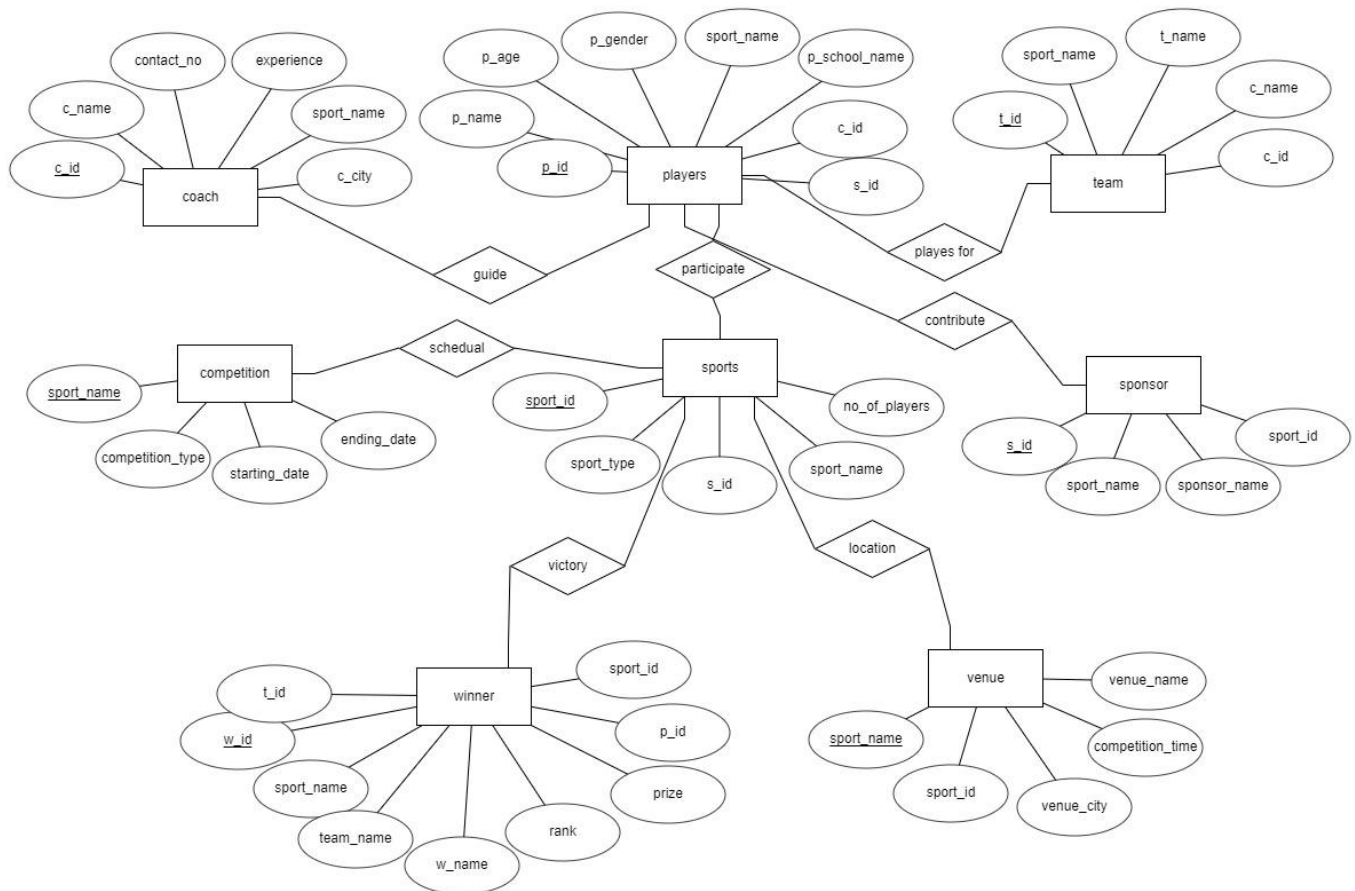
## **1.5 USER ROLES**

- Player
- Admin

## **1.6 ROLE WISE REQUIREMENT LISTING**

- **Player:**
  - Player has unique username and id for entering in sports event.
  - Player can participate any one sport event.
  - Player can choose any coach for training purpose.
- **Admin:**
  - Admin is responsible for leading and managing sports event.
  - Admin is responsible for different tasks such as Deciding winners, keep details of players and sponsors ,..etc.

## 2. ER-DIAGRAM



## 3. TABLE DESIGN

### 3.1 PLAYERS

| Column                | Type        | Null | Default | Links to                  | Comments | Media type |
|-----------------------|-------------|------|---------|---------------------------|----------|------------|
| <u>p_id</u> (Primary) | varchar(5)  | No   |         |                           |          |            |
| p_name                | text        | Yes  | NULL    |                           |          |            |
| p_age                 | int(11)     | Yes  | NULL    |                           |          |            |
| p_gender              | char(1)     | Yes  | NULL    |                           |          |            |
| p_school_name         | varchar(30) | Yes  | NULL    |                           |          |            |
| sport_name            | varchar(15) | Yes  | NULL    | compitition -> sport_name |          |            |
| c_id                  | varchar(5)  | Yes  | NULL    | coach -> c_id             |          |            |
| s_id                  | varchar(5)  | Yes  | NULL    | sponsor -> s_id           |          |            |
| t_name                | varchar(10) | Yes  | NULL    |                           |          |            |

### 3.2 COACH

| Column                  | Type          | Null | Default | Links to | Comments | Media type |
|-------------------------|---------------|------|---------|----------|----------|------------|
| c_id ( <i>Primary</i> ) | varchar(5)    | No   |         |          |          |            |
| c_name                  | text          | Yes  | NULL    |          |          |            |
| contact_no              | decimal(10,0) | Yes  | NULL    |          |          |            |
| experience              | varchar(10)   | Yes  | NULL    |          |          |            |
| c_city                  | text          | Yes  | NULL    |          |          |            |
| sport_name              | varchar(15)   | No   |         |          |          |            |

### 3.3 SPORTS

| Column                      | Type        | Null | Default | Links to                  | Comments | Media type |
|-----------------------------|-------------|------|---------|---------------------------|----------|------------|
| sport_id ( <i>Primary</i> ) | varchar(5)  | No   |         |                           |          |            |
| sport_name                  | varchar(15) | No   |         | compitition -> sport_name |          |            |
| sport_type                  | text        | Yes  | NULL    |                           |          |            |
| no_of_players               | int(11)     | Yes  | NULL    |                           |          |            |
| s_id                        | varchar(5)  | Yes  | NULL    | sponsor -> s_id           |          |            |

### 3.4 COMPETITION

| Column                        | Type        | Null | Default | Links to | Comments | Media type |
|-------------------------------|-------------|------|---------|----------|----------|------------|
| sport_name ( <i>Primary</i> ) | varchar(15) | No   |         |          |          |            |
| compitition_type              | text        | Yes  | NULL    |          |          |            |
| starting_date                 | date        | Yes  | NULL    |          |          |            |
| ending_date                   | date        | Yes  | NULL    |          |          |            |



### 3.5 TEAM

| Column                  | Type        | Null | Default | Links to      | Comments | Media type |
|-------------------------|-------------|------|---------|---------------|----------|------------|
| t_id ( <i>Primary</i> ) | varchar(5)  | No   |         |               |          |            |
| sport_name              | varchar(15) | No   |         |               |          |            |
| t_name                  | varchar(10) | Yes  | NULL    |               |          |            |
| c_name                  | text        | Yes  | NULL    |               |          |            |
| c_id                    | varchar(5)  | Yes  | NULL    | coach -> c_id |          |            |

### 3.6 WINNER

| Column                  | Type        | Null | Default | Links to           | Comments | Media type |
|-------------------------|-------------|------|---------|--------------------|----------|------------|
| w_id ( <i>Primary</i> ) | varchar(5)  | No   |         |                    |          |            |
| sport_name              | varchar(15) | No   |         |                    |          |            |
| w_name                  | text        | Yes  | NULL    |                    |          |            |
| team_name               | varchar(10) | Yes  | NULL    |                    |          |            |
| rank                    | int(11)     | Yes  | NULL    |                    |          |            |
| prize                   | varchar(15) | Yes  | NULL    |                    |          |            |
| p_id                    | varchar(5)  | Yes  | NULL    | players -> p_id    |          |            |
| sport_id                | varchar(5)  | Yes  | NULL    | sports -> sport_id |          |            |
| t_id                    | varchar(5)  | Yes  | NULL    | team -> t_id       |          |            |

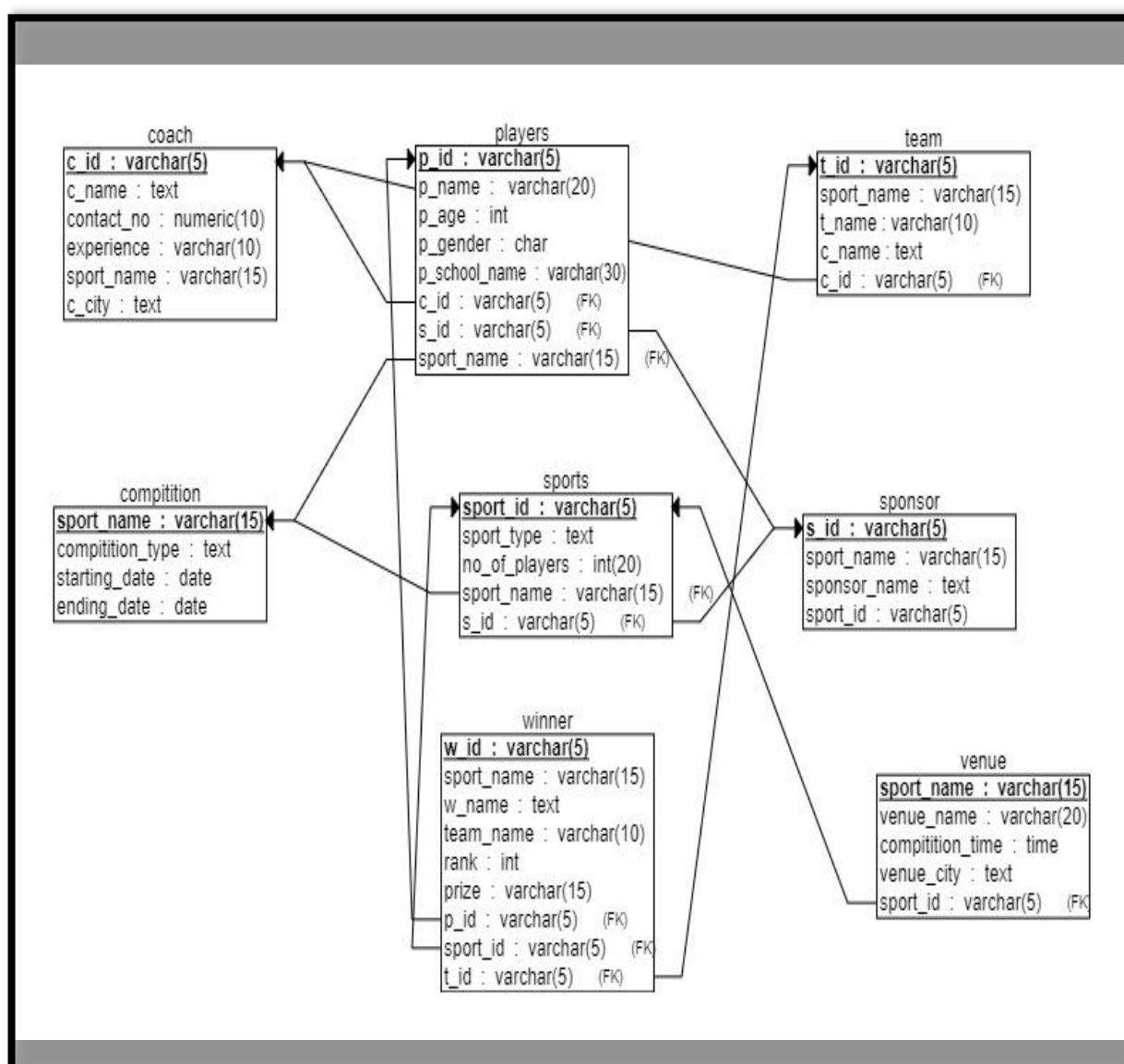
### 3.7 SPONSOR

| Column                  | Type        | Null | Default | Links to | Comments | Media type |
|-------------------------|-------------|------|---------|----------|----------|------------|
| s_id ( <i>Primary</i> ) | varchar(5)  | No   |         |          |          |            |
| sport_name              | varchar(15) | Yes  | NULL    |          |          |            |
| sponsor_name            | text        | Yes  | NULL    |          |          |            |
| sport_id                | varchar(5)  | Yes  | NULL    |          |          |            |

### 3.8 VENUE

| Column               | Type        | Null | Default | Links to           | Comments | Media type |
|----------------------|-------------|------|---------|--------------------|----------|------------|
| sport_id             | varchar(5)  | Yes  | NULL    | sports -> sport_id |          |            |
| sport_name (Primary) | varchar(15) | No   |         |                    |          |            |
| venue_name           | varchar(50) | Yes  | NULL    |                    |          |            |
| compitition_time     | time        | Yes  | NULL    |                    |          |            |
| venue_city           | text        | Yes  | NULL    |                    |          |            |

#### 4. SCHEMA DIAGRAM



## **5. DATABASE IMPLEMENTATION**

---

### **5.1 CREATE SCHEMA**

#### **5.1.1 PLAYERS**

```
create table players (  
    p_id varchar(5) primary key,  
    p_name text,  
    p_age int,  
    p_gender char,  
    p_school_name varchar(30),  
    sport_name varchar(15),  
    c_id varchar(5),  
    s_id varchar(5),  
    t_name varchar(10));
```

#### **5.1.2 COACH**

```
create table coach (  
    c_id varchar(5) primary key,  
    c_name text,  
    contact_no numeric(10),  
    experience varchar(10),  
    c_city text,  
    sport_name varchar(15) not null  
);
```

#### **5.1.3 SPORTS**

```
create table sports (  
    sport_id varchar(5) primary key,  
    sport_name varchar(15) not null,  
    sport_type text,  
    no_of_players int,  
    s_id varchar(5)
```

);

## sports

| Column                      | Type        | Null | Default     | Links to                  | Comments | Media type |
|-----------------------------|-------------|------|-------------|---------------------------|----------|------------|
| sport_id ( <i>Primary</i> ) | varchar(5)  | No   |             |                           |          |            |
| sport_name                  | varchar(15) | No   |             | compitition -> sport_name |          |            |
| sport_type                  | text        | Yes  | <i>NULL</i> |                           |          |            |
| no_of_players               | int(11)     | Yes  | <i>NULL</i> |                           |          |            |
| s_id                        | varchar(5)  | Yes  | <i>NULL</i> | sponsor -> s_id           |          |            |

### 5.1.4 COMPETITION

```
create table compitition (  
    sport_name varchar(15) primary key,  
    compitition_type text,  
    starting_date date,  
    ending_date date);
```

### 5.1.5 TEAM

```
create table team (  
    t_id varchar(5) primary key,  
    sport_name varchar(15) not null,  
    t_name varchar(10),  
    c_name text,  
    c_id varchar references coach(c_id)  
);
```

### 5.1.6 WINNER

```
create table winner(  
    w_id varchar(5) primary key,  
    sport_name varchar(15) not null,  
    w_name text,  
    team_name varchar(10),
```

```

rank int,
prize varchar(15),
p_id varchar(5) references players(p_id),
sport_id varchar(5) references sports(sport_id),
t_id varchar(5) references team(t_id));

```

### 5.1.7 SPONSOR

```

create table sponsor (
    s_id varchar(5) primary key,
    sport_name varchar(15),
    sponsor_name text,
    sport_id varchar(5)
);

```

### 5.1.8 VENUE

```

create table venue(
    sport_id varchar(5) references sports(sport_id),
    sport_name varchar(15) primary key,
    venue_name varchar(20),
    competition_time time,
    venue city text);

```

## 5.2 INSERT DATA VALUE

### 5.2.1 Players

```

insert into players values('p101','Smriti Mishra',18,'F','Panjab University',
'relay','c12','s1','R1');

```

```

insert into players values('p102','Divya Shah,19,'F','Marlboro College',
'relay','c12','s1','R1');

```

```

insert into players values('p103','Payal Dave',18,'F','Izmir Institute of
Technology', 'relay','c12','s1','R1');

```

```

insert into players values('p104','Kajal Gandhi',20,'F','Universidad Monteavila',
'relay','c12','s1','R1');

```

insert into players values('p105','Diya Mehta',20,'F','William Mitchell College of Law', 'relay','c08','s1','R2') ;

insert into players values('p106','Khushali Dave',21,'F','Grinnell College', 'relay','c08','s1','R2') ;

insert into players values('p107','Bhumi Patel',18,'F','St. Thomas University', 'relay','c08','s1','R2');

insert into players values('p108','Prachi Patel',19,'F','Neelain University', 'relay','c08','s1','R2');

insert into players values('p109','Ajay Patel',18,'M','Upper Iowa University','basket ball','c02','s2','B1');

insert into players values('p110','Chintan Shah',19,'M','La Sierra University','basket ball','c02','s2','B1');

insert into players values('p111','Harshal Pandya',20,'M','St. Lawrence University','basket ball','c02','s2','B1');

insert into players values('p112','Saurabh Mehta',20,'M','Millsaps College','basket ball','c02','s2','B1');

insert into players values('p113','Manan Gandhi',20,'M','Vidyasagar University','basket ball','c02','s2','B1');

insert into players values('p114','Jay Pandey',19,'M','Jagannath University','basket ball','c09','s2','B2');

insert into players values('p115','Chirag Dabhi',19,'M','Kanazawa Gakuin University','basket ball','c09','s2','B2') ;

insert into players values('p116','Jimit shah',18,'M','Springfield College','basket ball','c09','s2','B2') ;

insert into players values('p117','Dev Parmar',21,'M','Samford University','basket ball','c09','s2','B2') ;

insert into players values('p118','Hiten Patel',19,'M','Wilson College','basket ball','c09','s2','B2') ;

insert into players values ('p119','Khushi Joshi',19,'F','AgroParisTech','badminton','c01','s6') ;

```
insert into players values ('p120','Reeta Shah',19,'F','Vinoba Bhave  
University','badminton','c10','s6'),;
```

```
insert into players values('p121','Karan Modi',19,'M','Rosemont  
College','tennis','c03','s5') ;
```

```
insert into players values('p122','Deep Dhorl',18,'M','Vidyasagar  
University','tennis','c11','s5') ;
```

```
insert into players values('p123','Disha Modi',19,'F','Concord College','long  
jump','c04','s3');
```

```
insert into players values ('p124','Aman Mishra',20,'M','Panjab University','long  
jump','c06','s3') ;
```

```
insert into players values('p125','Ritu Pile',22,'F','Grinnell  
College','hurdling','c07','s4');
```

```
insert into players values('p126','AshimSoni',19,'M','Shimer  
College','hurdling','c05','s4');
```

| p_id | p_name         | p_age | p_gender | p_school_name                 | sport_name  | c_id | s_id | t_name |
|------|----------------|-------|----------|-------------------------------|-------------|------|------|--------|
| p101 | Smriti Mishra  | 18    | F        | Panjab University             | relay       | c12  | s1   | R1     |
| p102 | Divya Shah     | 19    | F        | Marlboro College              | relay       | c12  | s1   | R1     |
| p103 | Payal Davea    | 18    | F        | Izmir Institute of Technology | relay       | c12  | s1   | R1     |
| p104 | Kajal Gandhi   | 20    | F        | Universidad Monteavila        | relay       | c12  | s1   | R1     |
| p105 | Diya Mehta     | 20    | F        | William College of Law        | relay       | c08  | s1   | R2     |
| p106 | Khushali Dave  | 21    | F        | Grinnell College              | relay       | c08  | s1   | R2     |
| p107 | Bhumi Patel    | 18    | F        | St. Thomas University         | relay       | c08  | s1   | R2     |
| p108 | Prachi Patel   | 19    | F        | Neelain University            | relay       | c08  | s1   | R2     |
| p109 | Ajay Patel     | 18    | M        | Upper Iowa University         | basket ball | c02  | s2   | B1     |
| p110 | Chintan Shah   | 19    | M        | La Sierra University          | basket ball | c02  | s2   | B1     |
| p111 | Harshal Pandya | 20    | M        | St. Lawrence University       | basket ball | c02  | s2   | B1     |
| p112 | Saurabh Mehta  | 20    | M        | Millsaps College              | basket ball | c02  | s2   | B1     |
| p113 | Manan Gandhi   | 20    | M        | Vidyasagar University         | basket ball | c02  | s2   | B1     |
| p114 | Jay Pandey     | 19    | M        | Jagannath University          | basket ball | c09  | s2   | B2     |
| p115 | Chirag Dabhi   | 19    | M        | Kanazawa Gakuin University    | basket ball | c09  | s2   | B2     |
| p116 | Jimit shah     | 18    | M        | Springfield College           | basket ball | c09  | s2   | B2     |
| p117 | Dev Parmar     | 21    | M        | Samford University            | basket ball | c09  | s2   | B2     |
| p118 | Hiten Patel    | 19    | M        | Wilson College                | basket ball | c09  | s2   | B2     |
| p119 | Khushi Joshi   | 19    | F        | AgroParisTech                 | badminton   | c01  | s6   | NULL   |
| p120 | Reeta Shah     | 19    | F        | Vinoba Bhawe University       | badminton   | c10  | s6   | NULL   |
| p121 | Karan Modi     | 19    | M        | Rosemont College              | tennis      | c03  | s5   | NULL   |
| p122 | Deep Dhor      | 18    | M        | Vidyasagar University         | tennis      | c11  | s5   | NULL   |
| p123 | Disha Modi     | 19    | F        | Concord College               | long jump   | c04  | s3   | NULL   |
| p124 | Aman Mishra    | 20    | M        | Panjab University             | long jump   | c06  | s3   | NULL   |
| p125 | Ritu Pile      | 22    | F        | Grinnell College              | hurdling    | c07  | s4   | NULL   |

## 5.2.2 COACH

insert into coach values('c01','Rushi Dalal', 8829644591,'2 years','Prroshyan','badminton');

insert into coach values('c02','Manish Verma',6494461140,'1 year','Bochum','basket ball');

insert into coach values('c03','Sachin Joshi',5407233455,'10 months','Goragorskiy','tennis');

insert into coach values('c04','Sonu kumari',3188825906,'4 years','Jishi','long jump');

insert into coach values('c05','Rajesh Shah',5968502488,'9 months','Minle','hurdling');

insert into coach values('c06','Rajesh Verma',1528590023,'3 years','Tres Arroyos','long jump');

insert into coach values('c07','Jenish Goswani', 1455892454,'2 years','Chwaszczyno','hurdling');

insert into coach values('c08','Kirtan Oza',1258954326,'3 years','Prostki','relay');



insert into coach values('c09','Ramesh Bhatt',4526584121,'11 months','Gorodishche','basket ball');

insert into coach values('c10','Arati Bansal',5234891026,'2 years','Sokolac','badminton');

insert into coach values('c11','Denish Bhut',4582361023,'8 months','Yuchi','tennis');

insert into coach values('c12','Hiren Gohil',1485657461,'10 months','Batou','relay');

| c_id | c_name         | contact_no | experience | c_city       | sport_name  |
|------|----------------|------------|------------|--------------|-------------|
| c01  | Rushi Dalal    | 8829644591 | 2 years    | Prroshyan    | badminton   |
| c02  | Manish Verma   | 6494461140 | 1 year     | Bochum       | basket ball |
| c03  | Sachin Joshi   | 5407233455 | 10 months  | Goragorskiy  | tennis      |
| c04  | Sonu kumari    | 3188825906 | 4 years    | Jishi        | long jump   |
| c05  | Rajesh Shah    | 5968502488 | 9 months   | Minle        | hurdling    |
| c06  | Rajesh Verma   | 1528590023 | 3 years    | Tres Arroyos | long jump   |
| c07  | Jenish Goswani | 1455892454 | 2 years    | Chwaszczyno  | hurdling    |
| c08  | Kirtan Oza     | 1258954326 | 3 years    | Prostki      | relay       |
| c09  | Ramesh Bhatt   | 4526584121 | 11 months  | Gorodishche  | basket ball |
| c10  | Arati Bansal   | 5234891026 | 2 years    | Sokolac      | badminton   |
| c11  | Denish Bhut    | 4582361023 | 8 months   | Yuchi        | tennis      |
| c12  | Hiren Gohil    | 1485657461 | 10 months  | Batou        | relay       |

### 5.2.3 SPORTS:

insert into sports values(1,'relay','team',4,'s1');

insert into sports values (2,'basket ball','team',5,'s2');

insert into sports values(3,'badminton','solo',1,'s6');

insert into sports values(4,'tennis','solo',1,'s5');

insert into sports values(5,'long jump','solo',1,'s3');

insert into sports values(6,'hurdling','solo',1,'s4');

| sport_id | sport_name  | sport_type | no_of_players | s_id |
|----------|-------------|------------|---------------|------|
| 1        | relay       | team       | 4             | s1   |
| 2        | basket ball | team       | 5             | s2   |
| 3        | badminton   | solo       | 1             | s6   |
| 4        | tennis      | solo       | 1             | s5   |
| 5        | long jump   | solo       | 1             | s3   |
| 6        | hurdling    | solo       | 1             | s4   |

### 5.2.4 Competition

insert into compitition values('relay','team','1/1/2022','1/9/2022');

insert into compitition values('basket ball','team','1/3/2022','1/10/2022');

insert into compitition values('badminton','solo','1/2/2022','1/4/2022');

insert into compitition values('tennis','solo','1/6/2022','1/8/2022');

insert into compitition values('long jump','solo','1/4/2022','1/5/2022') ;

insert into compitition values('hurdling','solo','1/3/2022','1/5/2022');

| sport_name  | compitition_type | starting_date | ending_date |
|-------------|------------------|---------------|-------------|
| badminton   | solo             | 2022-01-02    | 2022-01-04  |
| basket ball | team             | 2022-01-03    | 2022-01-10  |
| hurdling    | solo             | 2022-01-03    | 2022-01-05  |
| long jump   | solo             | 2022-01-04    | 2022-01-05  |
| relay       | team             | 2022-01-01    | 2022-01-09  |
| tennis      | solo             | 2022-01-06    | 2022-01-08  |

### 5.2.5 Team:

insert into team values('t1','relay','R1','Hiren Gohil','c12') ;

```
insert into team values('t2','relay','R2','Kirtan Oza','c08');
```

```
insert into team values('t3','basket ball','B1','Manish Verma','c02');
```

```
insert into team values('t4','basket ball','B2','Ramesh Bhatt','c09');
```

| t_id | sport_name  | t_name | c_name       | c_id |
|------|-------------|--------|--------------|------|
| t1   | relay       | R1     | Hiren Gohil  | c12  |
| t2   | relay       | R2     | Kirtan Oza   | c08  |
| t3   | basket ball | B1     | Manish Verma | c02  |
| t4   | basket ball | B2     | Ramesh Bhatt | c09  |

### 5.2.6 Winner

```
insert into winner(w_id,sport_name,team_name,rank,prize,sport_id,t_id)
values('w11','relay','R1',1,'gold medal',1,'t1');
```

```
insert into winner(w_id,sport_name,team_name,rank,prize,sport_id,t_id)
values('w12','relay','R2',2,'silver medal',1,'t2');
```

```
insert into winner(w_id,sport_name,team_name,rank,prize,sport_id,t_id)
values('w21','basket ball','B2',1,'gold medal',2,'t3');
```

```
insert into winner(w_id,sport_name,team_name,rank,prize,sport_id,t_id)
values('w22','basket ball','B1',2,'silver medal',2,'t4');
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w31','badminton','Khushi Joshi',1,'gold medal','p119',3);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w32','badminton','Reeta Shah',2,'silver medal','p120',3);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w41','tennis','Deep Dhor',1,'gold medal','p122',4);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w42','tennis','Karan Modi',2,'silver medal','p121',4);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w51','long jump','AmanMishra',1,'gold medal','p124',5);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w52','long jump','Disha Modi',2,'silver medal','p123',5);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w61','hurdling','Ritu Pile',1,'gold medal','p125',6);
```

```
insert into winner(w_id,sport_name,w_name,rank,prize,p_id,sport_id)
values('w62','hurdling','Ashim Soni',2,'silver medal','p126',6);
```

| w_id | sport_name  | w_name       | team_name | rank | prize        | p_id | sport_id | t_id |
|------|-------------|--------------|-----------|------|--------------|------|----------|------|
| w11  | relay       |              | R1        | 1    | gold medal   | NULL | 1        | t1   |
| w12  | relay       | NULL         | R2        | 2    | silver medal | NULL | 1        | t2   |
| w21  | basket ball | NULL         | B2        | 1    | gold medal   | NULL | 2        | t3   |
| w22  | basket ball | NULL         | B1        | 2    | silver medal | NULL | 2        | t4   |
| w31  | badminton   | Khushi Joshi | NULL      | 1    | gold medal   | p119 | 3        | NULL |
| w32  | badminton   | Reeta Shah   | NULL      | 2    | silver medal | p120 | 3        | NULL |
| w41  | tennis      | Deep Dhor    | NULL      | 1    | gold medal   | p122 | 4        | NULL |
| w42  | tennis      | Karan Modi   | NULL      | 2    | silver medal | p121 | 4        | NULL |
| w51  | long jump   | Aman Mishra  | NULL      | 1    | gold medal   | p124 | 5        | NULL |
| w52  | long jump   | Disha Modi   | NULL      | 2    | silver medal | p123 | 5        | NULL |
| w61  | hurdling    | Ritu Pile    | NULL      | 1    | gold medal   | p125 | 6        | NULL |
| w62  | hurdling    | Ashim Soni   | NULL      | 2    | silver medal | p126 | 6        | NULL |

## 5.2.7 Sponsor

```
insert into sponsor values('S1','relay','Bharat Shah',1);
```

```
insert into sponsor values('S2','basket ball','NeetaDesai',2);
```

```
insert into sponsor values('S3','long jump','Himansu Pandey',5);
```

```
insert into sponsor values('S4','hurdling','Raj Patel',6);
```

```
insert into sponsor values('S5','tennis','Arjun Joshi',4);
```

```
insert into sponsor values('S6','badminton','Anjali Mehta',3);
```

| s_id | sport_name  | sponsor_name   | sport_id |
|------|-------------|----------------|----------|
| S1   | relay       | Bharat Shah    | 1        |
| S2   | basket ball | Neeta Desai    | 2        |
| S3   | long jump   | Himansu Pandey | 5        |
| S4   | hurdling    | Raj Patel      | 6        |
| S5   | tennis      | Arjun Joshi    | 4        |
| S6   | badminton   | Anjali Mehta   | 3        |

### 5.2.8 Venue

insert into venue values(1,'relay','ground no.G2,surat','10:00:00',' Surat') ;

insert into venue values(2,'basket ball','shastriground,nadiad','09:30:00',' Nadiad');

insert into venue values(3,'badminton','LD college,ahmedabad','14:00:00',' Ahmedabad');

insert into venue values(4,'tennis','st. teresa college,nadiad','16:00:00',' Nadiad');

insert into venue values(5,'long jump','vivekanand ,ground,baroda','11:00:00','Baroda') ;

insert into venue values(6,'hurdling','C.V.ground,baroda','08:50:00',' Baroda');

| sport_id | sport_name  | venue_name                | competition_time | venue_city |
|----------|-------------|---------------------------|------------------|------------|
| 3        | badminton   | LD college,ahmedabad      | 14:00:00         | Ahmedabad  |
| 2        | basket ball | shastriground,nadiad      | 09:30:00         | Nadiad     |
| 6        | hurdling    | C.V.ground,baroda         | 08:50:00         | Baroda     |
| 5        | long jump   | vivekanand ground,baroda  | 11:00:00         | Baroda     |
| 1        | relay       | ground no.G2,surat        | 10:00:00         | Surat      |
| 4        | tennis      | st. teresa college,nadiad | 16:00:00         | Nadiad     |

## 5.3 QUERIES

5.3.1 Display the players details whose sport name starts with 'b' and ends with 'n':

→SELECT \* FROM players WHERE sport\_name LIKE 'b\_\_\_\_\_n';

| p_id | p_name       | p_age | p_gender | p_school_name           | sport_name | c_id | s_id |
|------|--------------|-------|----------|-------------------------|------------|------|------|
| p119 | Khushi Joshi | 19    | F        | AgroParisTech           | badminton  | c01  | s6   |
| p120 | Reeta Shah   | 19    | F        | Vinoba Bhawe University | badminton  | c10  | s6   |

5.3.2 Display the players details whose coach is starts with 'c1':

→SELECT \* FROM players WHERE c\_id LIKE 'c1%';

| p_id | p_name        | p_age | p_gender | p_school_name                 | sport_name | c_id | s_id |
|------|---------------|-------|----------|-------------------------------|------------|------|------|
| p120 | Reeta Shah    | 19    | F        | Vinoba Bhawe University       | badminton  | c10  | s6   |
| p122 | Deep Dhor     | 18    | M        | Vidyasagar University         | tennis     | c11  | s5   |
| p101 | Smriti Mishra | 18    | F        | Panjab University             | relay      | c12  | s1   |
| p102 | Divya Shah    | 19    | F        | Marlboro College              | relay      | c12  | s1   |
| p103 | Payal Davea   | 18    | F        | Izmir Institute of Technology | relay      | c12  | s1   |
| p104 | Kajal Gandhi  | 20    | F        | Universidad Monteavila        | relay      | c12  | s1   |



| p_id | p_name         | p_age | p_gender | p_school_name              | sport_name  | c_id | s_id |
|------|----------------|-------|----------|----------------------------|-------------|------|------|
| p102 | Divya Shah     | 19    | F        | Marlboro College           | relay       | c12  | s1   |
| p104 | Kajal Gandhi   | 20    | F        | Universidad Monteavila     | relay       | c12  | s1   |
| p105 | Diya Mehta     | 20    | F        | William College of Law     | relay       | c08  | s1   |
| p108 | Prachi Patel   | 19    | F        | Neelain University         | relay       | c08  | s1   |
| p110 | Chintan Shah   | 19    | M        | La Sierra University       | basket ball | c02  | s2   |
| p111 | Harshal Pandya | 20    | M        | St. Lawrence University    | basket ball | c02  | s2   |
| p112 | Saurabh Mehta  | 20    | M        | Millsaps College           | basket ball | c02  | s2   |
| p113 | Manan Gandhi   | 20    | M        | Vidyasagar University      | basket ball | c02  | s2   |
| p114 | Jay Pandey     | 19    | M        | Jagannath University       | basket ball | c09  | s2   |
| p115 | Chirag Dabhi   | 19    | M        | Kanazawa Gakuin University | basket ball | c09  | s2   |
| p118 | Hiten Patel    | 19    | M        | Wilson College             | basket ball | c09  | s2   |
| p119 | Khushi Joshi   | 19    | F        | AgroParisTech              | badminton   | c01  | s6   |
| p120 | Reeta Shah     | 19    | F        | Vinoba Bhave University    | badminton   | c10  | s6   |
| p121 | Karan Modi     | 19    | M        | Rosemont College           | tennis      | c03  | s5   |
| p123 | Disha Modi     | 19    | F        | Concord College            | long jump   | c04  | s3   |
| p124 | Aman Mishra    | 20    | M        | Panjab University          | long jump   | c06  | s3   |
| p126 | Ashim Soni     | 19    | M        | Shimer College             | hurdling    | c05  | s4   |

5.3.4 Display the competition detail for the competition which is held in between date 2022-01-01 to 2022-01-05 .

--->SELECT \* FROM competition WHERE starting\_date BETWEEN '2022-01-01' AND '2022-01-05';

| sport_name  | competition_type | starting_date | ending_date |
|-------------|------------------|---------------|-------------|
| badminton   | solo             | 2022-01-02    | 2022-01-04  |
| basket ball | team             | 2022-01-03    | 2022-01-10  |
| hurdling    | solo             | 2022-01-03    | 2022-01-05  |
| long jump   | solo             | 2022-01-04    | 2022-01-05  |
| relay       | team             | 2022-01-01    | 2022-01-09  |

5.3.5 display the competition detail according to descending order of ending date

→SELECT \* FROM competition ORDER BY ending\_date DESC;  
DDU(Faculty of Tech.,Dept.of IT)

| sport_name  | compitition_type | starting_date | ending_date ▼ 1 |
|-------------|------------------|---------------|-----------------|
| basket ball | team             | 2022-01-03    | 2022-01-10      |
| relay       | team             | 2022-01-01    | 2022-01-09      |
| tennis      | solo             | 2022-01-06    | 2022-01-08      |
| hurdlng     | solo             | 2022-01-03    | 2022-01-05      |
| long jump   | solo             | 2022-01-04    | 2022-01-05      |
| badminton   | solo             | 2022-01-02    | 2022-01-04      |

### 5.3.6 display the competition detail according to descending order of ending date

→SELECT \* FROM compitition ORDER BY ending\_date DESC;

| sport_name  | compitition_type | starting_date | ending_date ▼ 1 |
|-------------|------------------|---------------|-----------------|
| basket ball | team             | 2022-01-03    | 2022-01-10      |
| relay       | team             | 2022-01-01    | 2022-01-09      |
| tennis      | solo             | 2022-01-06    | 2022-01-08      |
| hurdlng     | solo             | 2022-01-03    | 2022-01-05      |
| long jump   | solo             | 2022-01-04    | 2022-01-05      |
| badminton   | solo             | 2022-01-02    | 2022-01-04      |

### 5.3.7 Display the details of players who are participating in tennis and hurdling.

--->SELECT p\_id,p\_name,p\_age,p\_gender,sport\_name FROM players WHERE sport\_name IN('tennis','hurdlng');

| p_id | p_name     | p_age | p_gender | sport_name |
|------|------------|-------|----------|------------|
| p125 | Ritu Pile  | 22    | F        | hurdlng    |
| p126 | Ashim Soni | 19    | M        | hurdlng    |
| p121 | Karan Modi | 19    | M        | tennis     |
| p122 | Deep Dhorl | 18    | M        | tennis     |



5.3.8 Display the sponsor details for all sports excepting relay and basket ball.

→SELECT \* FROM sponsor where sport\_name NOT IN('relay','basket ball');

| s_id | sport_name | sponsor_name   | sport_id |
|------|------------|----------------|----------|
| S3   | long jump  | Himansu Pandey | 5        |
| S4   | hurdling   | Raj Patel      | 6        |
| S5   | tennis     | Arjun Joshi    | 4        |
| S6   | badminton  | Anjali Mehta   | 3        |

5.3.9 Display the total number of male and female players.

→SELECT COUNT(p\_gender) as total\_players, p\_gender FROM players GROUP BY p\_gender;

| total_players | p_gender |
|---------------|----------|
| 12            | F        |
| 14            | M        |

## 5.4 JOIN AND SUB QUIRIES

5.4.1 Display the details of coach of the player which is participating in relay.

---->SELECT p\_id, p\_name, players.sport\_name, players.c\_id, c\_name FROM players INNER JOIN coach ON players.c\_id = coach.c\_id WHERE players.sport\_name = 'relay';

| p_id | p_name        | sport_name | c_id | c_name      |
|------|---------------|------------|------|-------------|
| p101 | Smriti Mishra | relay      | c12  | Hiren Gohil |
| p102 | Divya Shah    | relay      | c12  | Hiren Gohil |
| p103 | Payal Davea   | relay      | c12  | Hiren Gohil |
| p104 | Kajal Gandhi  | relay      | c12  | Hiren Gohil |
| p105 | Diya Mehta    | relay      | c08  | Kirtan Oza  |
| p106 | Khushali Dave | relay      | c08  | Kirtan Oza  |
| p107 | Bhumi Patel   | relay      | c08  | Kirtan Oza  |
| p108 | Prachi Patel  | relay      | c08  | Kirtan Oza  |

5.4.2 Display the details of player and sponsor of the long jump and tennis

--->SELECT p\_id,p\_name,players.sport\_name, sponsor\_name FROM players RIGHT JOIN sponsor ON players.s\_id = sponsor.s\_id WHERE players.sport\_name IN ('long jump', 'tennis');

| p_id | p_name      | sport_name | sponsor_name   |
|------|-------------|------------|----------------|
| p123 | Disha Modi  | long jump  | Himansu Pandey |
| p124 | Aman Mishra | long jump  | Himansu Pandey |
| p121 | Karan Modi  | tennis     | Arjun Joshi    |
| p122 | Deep Dhor   | tennis     | Arjun Joshi    |

#### 5.4.3 Display the details of the winner of the hurdling and long jump.

--->SELECT players.p\_id, players.p\_name, players.p\_school\_name, players.sport\_name, winner.rank, winner.prize FROM players INNER JOIN winner ON players.p\_id = winner.p\_id WHERE players.sport\_name IN ('long jump', 'hurdling');

| p_id | p_name      | p_school_name     | sport_name | rank | prize        |
|------|-------------|-------------------|------------|------|--------------|
| p125 | Ritu Pile   | Grinnell College  | hurdling   | 1    | gold medal   |
| p126 | Ashim Soni  | Shimer College    | hurdling   | 2    | silver medal |
| p123 | Disha Modi  | Concord College   | long jump  | 2    | silver medal |
| p124 | Aman Mishra | Panjab University | long jump  | 1    | gold medal   |

#### 5.4.4 This query is example of sub query that shows a coach name and sport name of male player

--->SELECT p\_id, p\_name, p\_gender, sport\_name, c\_name FROM (SELECT players.p\_id, players.p\_name, players.p\_gender, players.sport\_name,coach.c\_name FROM players CROSS JOIN coach ON players.c\_id = coach.c\_id WHERE p\_gender = 'M')p;

| p_id | p_name         | p_gender | sport_name  | c_name       |
|------|----------------|----------|-------------|--------------|
| p109 | Ajay Patel     | M        | basket ball | Manish Verma |
| p110 | Chintan Shah   | M        | basket ball | Manish Verma |
| p111 | Harshal Pandya | M        | basket ball | Manish Verma |
| p112 | Saurabh Mehta  | M        | basket ball | Manish Verma |
| p113 | Manan Gandhi   | M        | basket ball | Manish Verma |
| p121 | Karan Modi     | M        | tennis      | Sachin Joshi |
| p126 | Ashim Soni     | M        | hurdling    | Rajesh Shah  |
| p124 | Aman Mishra    | M        | long jump   | Rajesh Verma |
| p114 | Jay Pandey     | M        | basket ball | Ramesh Bhatt |
| p115 | Chirag Dabhi   | M        | basket ball | Ramesh Bhatt |
| p116 | Jimit shah     | M        | basket ball | Ramesh Bhatt |
| p117 | Dev Parmar     | M        | basket ball | Ramesh Bhatt |
| p118 | Hiten Patel    | M        | basket ball | Ramesh Bhatt |
| p122 | Deep Dhor      | M        | tennis      | Denish Bhut  |

5.4.5 This query is also example of sub query that shows a details of the venue of the sport name which competition time is having between 10 to 14.

```
--->SELECT * FROM venue WHERE compitition_time IN (SELECT compitition_time FROM venue WHERE
compitition_time BETWEEN '10:00:00' AND '14:00:00');
```

| sport_id | sport_name | venue_name               | compitition_time | venue_city |
|----------|------------|--------------------------|------------------|------------|
| 3        | badminton  | LD college,ahmedabad     | 14:00:00         | Ahmedabad  |
| 5        | long jump  | vivekanand ground,baroda | 11:00:00         | Baroda     |
| 1        | relay      | ground no.G2,surat       | 10:00:00         | Surat      |

#### 5.4.6 Display the winners and runner up of all sports event.

--->SELECT w\_id,sport\_name,w\_name,team\_name,rank FROM winner ORDER BY rank;

| w_id | sport_name  | w_name       | team_name | rank ▲ 1 |
|------|-------------|--------------|-----------|----------|
| w11  | relay       |              | R1        | 1        |
| w21  | basket ball | NULL         | B2        | 1        |
| w31  | badminton   | Khushi Joshi | NULL      | 1        |
| w41  | tennis      | Deep Dhor    | NULL      | 1        |
| w51  | long jump   | Aman Mishra  | NULL      | 1        |
| w61  | hurdling    | Ritu Pile    | NULL      | 1        |
| w12  | relay       | NULL         | R2        | 2        |
| w22  | basket ball | NULL         | B1        | 2        |
| w32  | badminton   | Reeta Shah   | NULL      | 2        |
| w42  | tennis      | Karan Modi   | NULL      | 2        |
| w52  | long jump   | Disha Modi   | NULL      | 2        |
| w62  | hurdling    | Ashim Soni   | NULL      | 2        |

## 5.5 FUNCTIONS

### 5.5.1 Display the total number of players for provided age.

```
create function get_total_players(age_from integer, age_to integer)
returns integer
language plpgsql
as
$$
declare
    total_count int;
begin
    select count(*)
    into total_count
```

```
    from players
  where p_age between age_from and age_to;
    return total_count;

end
$$;
```

## OUTPUT:

```
select get_total_players(20,22);
```

|   | get_total_players |   |
|---|-------------------|---|
|   | integer           |   |
| 1 |                   | 9 |

## 5.6 TRIGGERS

**5.6.1 This trigger is called before data is inserted or updated into the backup table .This trigger also insert data from player table.**

- Backup table is created

```
Create table backup(  
    backup_id int primary key AUTO_INCREMENT,  
    p_id varchar(5),  
    p_name text,  
    sport_name varchar(15),  
    action1 text  
);
```

### backup

| Column                       | Type        | Null | Default | Links to | Comments | Media type |
|------------------------------|-------------|------|---------|----------|----------|------------|
| backup_id ( <i>Primary</i> ) | int(11)     | No   |         |          |          |            |
| p_id                         | varchar(5)  | Yes  | NULL    |          |          |            |
| p_name                       | text        | Yes  | NULL    |          |          |            |
| sport_name                   | varchar(15) | Yes  | NULL    |          |          |            |
| action1                      | text        | Yes  | NULL    |          |          |            |

5.6.1.1 Insert some data into backup table with the help of trigger.

#### 1. Insert Trigger:

```
CREATE TRIGGER insertBackup  
AFTER INSERT  
ON players  
FOR EACH ROW INSERT INTO backup  
VALUES(null,NEW.p_id, NEW.p_name, NEW.sport_name,'Inserted');
```

--->testing

```
insert INTO players VALUES('p127','Aasha Kher',20,'F','SGC  
Collage','hurdling','c05','s4',null);
```

| backup_id | p_id | p_name     | sport_name | action1  |
|-----------|------|------------|------------|----------|
| 1         | p127 | Aasha Kher | hurdling   | Inserted |

### 5.6.1.2 Update some data into backup table with the help of trigger

#### 2. update trigger:

```
CREATE TRIGGER updateBackup
AFTER UPDATE
ON players
FOR EACH ROW INSERT INTO backup
VALUES(null,NEW.p_id, NEW.p_name, NEW.sport_name,'Updated');
```

--->testing

```
UPDATE players set sport_name='long jump' WHERE p_id = 'p127';
```

| backup_id | p_id | p_name     | sport_name | action1  |
|-----------|------|------------|------------|----------|
| 1         | p127 | Aasha Kher | hurdling   | Inserted |
| 2         | p127 | Aasha Kher | long jump  | Updated  |

## 5.7 CURSOR

### 5.7.1 Display the players whose age is less than 19.

```
BEGIN
```

```
DECLARE mycur CURSOR FOR SELECT p_name, sport_name FROM players;
```

```
OPEN mycur;
```

```
SELECT p_name, sport_name,p_age FROM players WHERE p_age = 18;
```

```
CLOSE mycur;
```

```
END
```



## OUTPUT:

| p_name        | sport_name  | p_age |
|---------------|-------------|-------|
| Smriti Mishra | relay       | 18    |
| Payal Davea   | relay       | 18    |
| Bhumi Patel   | relay       | 18    |
| Ajay Patel    | basket ball | 18    |
| Jimit shah    | basket ball | 18    |
| Deep Dhori    | tennis      | 18    |

## 5.8 VIEWS

### 5.8.1 Create view for the female winner player.

```
CREATE VIEW female_winner AS  
SELECT players.p_name, players.sport_name, winner.rank  
FROM players INNER JOIN winner ON players.p_id = winner.p_id  
WHERE players.p_gender = 'F';
```

The screenshot displays a database management system interface. On the left, a tree view shows the database structure, including tables like 'players', 'winner', and a view named 'female\_winner'. The main area on the right shows the results of a query. The results are displayed in a table with columns 'p\_name', 'sport\_name', and 'rank'. The data rows are:

|                          | p_name       | sport_name | rank |
|--------------------------|--------------|------------|------|
| <input type="checkbox"/> | Khushi Joshi | badminton  | 1    |
| <input type="checkbox"/> | Reeta Shah   | badminton  | 2    |
| <input type="checkbox"/> | Disha Modi   | long jump  | 2    |
| <input type="checkbox"/> | Ritu Pile    | hurdlng    | 1    |

Below the table, there are options for 'Check all', 'With selected', 'Edit', 'Copy', and 'Delete'. At the bottom, there are buttons for 'Print', 'Copy to clipboard', 'Export', and 'Display chart'.

## 6. FUTURE ENHANCEMENTS OF THE SYSTEM

- We will design Front-end in HTML, CSS and JavaScript.



- We will implement Back-end using Django.
- We will make database more consistent, efficient and easy to implement with huge data capacity.
- We will also add some extra features so that it will become more user friendly.

## **7. BIBLIOGRAPHY**

- For implementation of this project we referred to many website and books.
- Mostly we referred the online material for syntax of procedure, triggers, exception and cursors.
- We created schema using mysql workbench.

### **Reference Book:**

**Data Base System Concepts**

**-Henry F. Korth &A. Silberschatz**

### **Reference Websites:**

- <https://www.w3schools.com/>
- <https://www.tutorialspoint.com/index.htm>
- <https://stackoverflow.com/>