

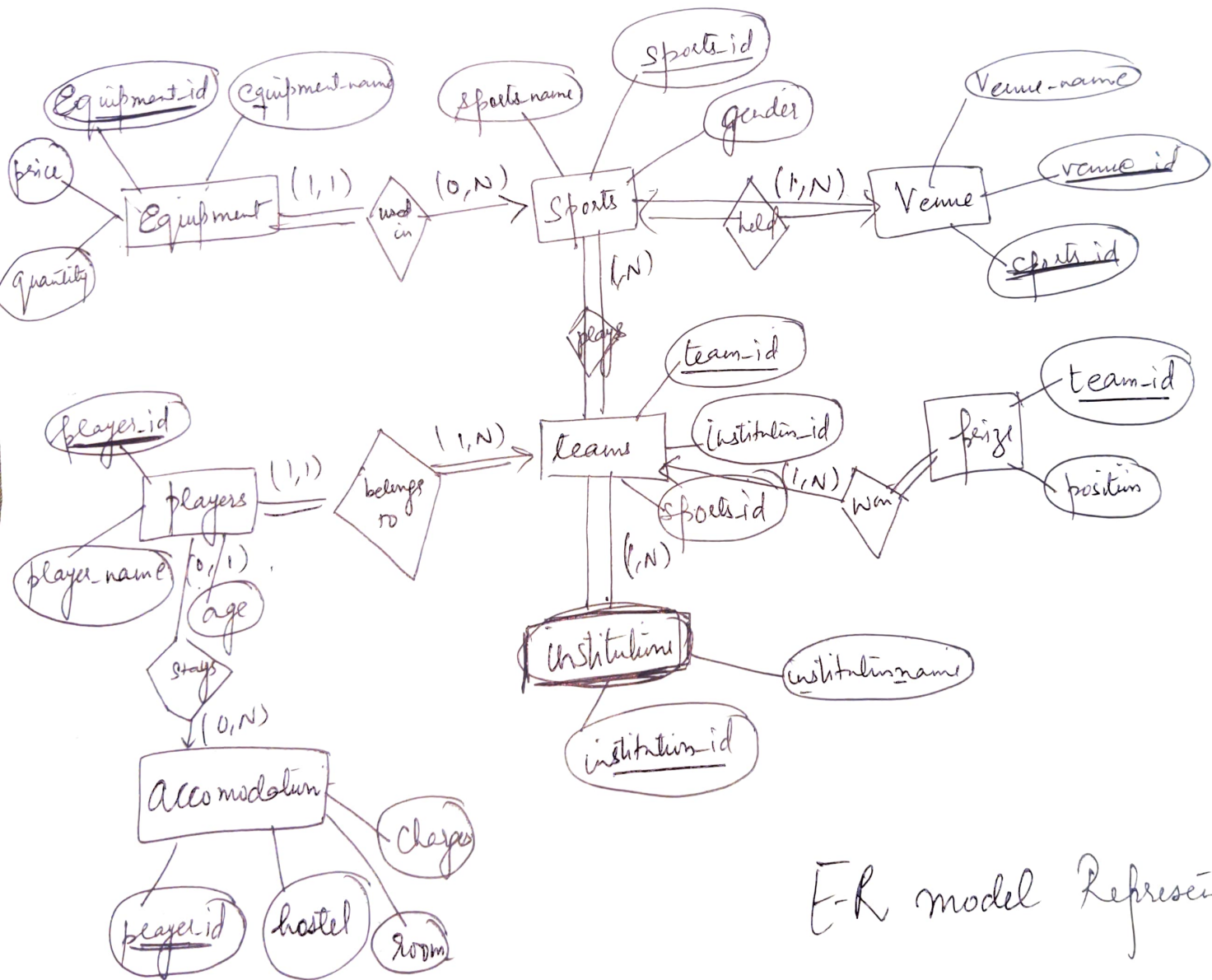
# Introduction

Sports Management System is a database management system designed to support the management and organization of sports-related activities and events. This system enables users to manage information about sports teams, players, coaches, venues, tournaments, and more. It aims to provide a comprehensive and efficient solution for sports organizations to streamline their operations and improve their decision-making process.

**Requirement Analysis:** The Sports Management System is intended to be a centralized platform for sports organizations to manage their data efficiently. The following are some of the requirements that the system should meet:

- Team Management: The system should enable the creation and management of sports teams, including player registration, team formation, and team schedules.
- Player Management: The system should allow for player registration, management of player information, including player profiles, health information, and performance statistics. .
- Venue Management: The system should allow for the management of venue information, including venue booking and scheduling, and venue availability.
- Reporting and Analytics: The system should provide reports and analytics on team performance, player performance, tournament outcomes, and other relevant data.
- User Management: The system should have a user management module that enables administrators to manage user access and permissions.
- Security: The system should ensure data security, including access control, data backup, and disaster recovery.

By meeting the above requirements, the Sports Management System will provide an efficient and comprehensive solution for sports organizations to manage their data effectively. This system will not only streamline their operations but also improve the quality of their decision-making process



E-R model Representation

## ER diagrams to tables

1. sports( sports-id, sports-name)
2. institutions( institution-id, institution-name)
3. equipment( equipment-id, equipment-name, quantity, price)
4. players( player-id, player-name, age, team-id)
5. teams( team-id, institution-id, sports-id)
6. Venue (venue-name, venue-id, sports-id);
7. accomodation( player-id, hostel, room, charges)
8. prize( team-id, position)

## Normalization Process

\* Separate tables for different entities

- (i) sports( sportsid, sports-name)
- (ii) institutions( institution-name, institution-id.)
- (iii) equipment( equipment-id, equipment-name, quantity, price)

(W) teams (team-id, institution-id, sports-id)

plays: → Many to many relationship between entity sets sports & institutions.  
Therefore separate table is needed.

Used in → Many to one relation from equipment to sports, so separate tables used.

belongs to: one to many relationship from players to teams (aggregation)

SO, players table becomes

(player-id, player-name, age, team-id)

plays: many to one relationship from players to accomodation.

accomodation (player-id, hostel, room, charges)

normalised from

accomodation (player-id, hostel, team-id, room, charges)

# SQL CODE

```
CREATE TABLE sports
```

```
(  
    sports_name    VARCHAR(512),  
    sports_id      INT,  
    gender         VARCHAR(512)  
);
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Cricket', '1', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Hockey', '2', 'F');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Table Tennis', '3', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Football', '4', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Chess', '5', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('High Jump', '6', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Javelin Throw', '7', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Long Jump', '8', 'F');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('100 m Race', '9', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Tug Of War Men', '10', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('400 m Race', '11', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Tug Of War Women', '12', 'F');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Basketball', '13', 'M');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Badminton Doubles', '14', 'F');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Shooting', '15', 'F');
```

```
INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Fencing', '16', 'F');
```

```
select* from sports;
```

```
CREATE TABLE institutions
```

```
(  
    institution_name VARCHAR(512),  
    institution_id    INT  
);
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('Thapar University,Patiala', '1');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('NIT Jalandhar', '2');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('BITS Pilani', '3');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('Chandigarh University', '4');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Ropar', '5');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('LNMIIT Jaipur', '6');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('NIT Jaipur', '7');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('JP Noida', '8');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Roorkee', '9');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Guhawati', '10');
```

```
INSERT INTO institutions (institution_name, institution_id) VALUES ('BITS Goa', '11');
```

```
select*from institutions;
```

```
CREATE TABLE equipment
```

```
(
```

```
    equipment_name          VARCHAR(512),
```

```
    equipment_id    VARCHAR(512),
```

```
    equipment_price INT,
```

```
    equipment_quantity      INT
```

```
);
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Cricket Bat', 'CRK001', '1500', '20');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Cricket Ball', 'CRK002', '150', '50');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Hockey Stick', 'HKY001', '2000', '15');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Hockey Ball', 'HKY002', '100', '50');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Table Tennis Racket', 'TTN001', '500', '30');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Table Tennis Ball', 'TTN002', '50', '100');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Football', 'FBL001', '1000', '25');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Chess Board', 'CHS001', '500', '10');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('High Jump Bar', 'HJU001', '3000', '5');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Javelin Throw', 'JAV001', '2000', '10');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Long Jump Board', 'LJB001', '5000', '2');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('100m Race Timer', 'RCT001', '10000', '1');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Tug of War Rope', 'TOW001', '5000', '2');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('400m Race Timer', 'RCT002', '15000', '1');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Basketball', 'BSK001', '1500', '20');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Badminton Racket', 'BDM001', '1000', '30');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Badminton Shuttlecock', 'BDM002', '50', '100');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Shooting Target', 'SHT001', '1000', '15');
```

```
INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Fencing Sword', 'FNC001', '5000', '5');

select * from equipment;
```

```
CREATE TABLE players
```

```
(
    player_name    VARCHAR(512),
    player_id      INT,
    team_id        INT,
    age            INT
);
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Ashutosh Mehra', '1', '1', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Aviral Mehta', '2', '1', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Ditaar Singh', '3', '1', '18');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dheeraj Sharma', '4', '1', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Deepak Chahar', '5', '1', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Santosh', '6', '1', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Shivam Gupta', '7', '1', '18');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhanush Verma', '8', '1', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhruv Gupta', '9', '1', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dinesh Karthik', '10', '1', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Mehul Monga', '11', '1', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dikshant Singh', '12', '2', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Tejaswa Singh', '13', '2', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Akshit Mehra', '14', '2', '18');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhruv Chandalia', '15', '2', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Rachit Bhagat', '16', '2', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Hardik Sharma', '17', '2', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Rajat Kalia', '18', '2', '18');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Kartikye Chadda', '19', '2', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Yash Sethi', '20', '2', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Pranav Mehra', '21', '2', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Rijul Mehta', '22', '2', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Kartik Sharma', '23', '3', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhruv Bansal', '24', '3', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Amrit Pal', '25', '3', '20');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Raj Verma', '26', '3', '19');
```

```
INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Sidhu Babbar', '27', '3', '18');
```

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Achal Sharma', '28', '3', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mridul Mehra', '29', '3', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Lakshay Singhal', '30', '3', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shivansh Pandey', '31', '3', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gopal Gopal', '32', '3', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gaurav Chadda', '33', '3', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Devkumar Rathi', '34', '5', '29');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Abhishek Verma', '35', '5', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gurnoor Singh', '36', '5', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Girish Mehra', '37', '5', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshwardhan', '38', '5', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshit Rajpal', '39', '5', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anipreet Singh', '40', '5', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshad Mehta', '41', '5', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Hansal Mehta', '42', '5', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Tarun Arora', '43', '5', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Soham Arora', '44', '5', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aadhya Sharma', '45', '11', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anvi Taneja', '46', '11', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kavya Rawley', '47', '11', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Garima Singh', '48', '11', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sukriti Singh', '49', '11', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shivya Mahajan', '50', '11', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Disha Parmar', '51', '11', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dityaa Verma', '52', '11', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Bhoomi Singh', '53', '11', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshita Mehra', '54', '11', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mehar Sood', '55', '11', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Arshiya Mahajan', '56', '12', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Khushi Gill', '57', '12', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aarohi Deshpande', '58', '12', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nitya Gupta', '59', '12', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Tanisha Arora', '60', '12', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jhanvi Gupta', '61', '12', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kajal Mehra', '62', '12', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aparana Jain', '63', '12', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Alisha Sharma', '64', '12', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aastha Aneja', '65', '12', '18');



INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ruhi Arora', '66', '12', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sneha Verma', '67', '13', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shikha Sharma', '68', '13', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Koyna Chopra', '69', '13', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Snigdha Sharma', '70', '13', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dhriti Kandhari', '71', '13', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Divya Mahajan', '72', '13', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aalia Mehra', '73', '13', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Parul Chopra', '74', '13', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Avni Mahajan', '75', '13', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nisha Sehdev', '76', '13', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ahana Mehra', '77', '13', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ishita Kapoor', '78', '14', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Tiya Kapoor', '79', '14', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Tanya Mahajan', '80', '14', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mantika Baluja', '81', '14', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akshpreet Singh', '82', '14', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gurjeet Kaur', '83', '14', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gurpreet Gill', '84', '14', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vani Seth', '85', '14', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vanya Mahajan', '86', '14', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pushti Kapoor', '87', '14', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sanah Arora', '88', '14', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Yadvik Verma', '89', '21', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shourya Arora', '90', '22', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ritvik Mahajan', '91', '23', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Yash Khandewal', '92', '24', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Suraj Arora', '93', '25', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Lovish Seth', '94', '26', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pulkit Sharma', '95', '27', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pragun Arora', '96', '28', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vijay Verma', '106', '31', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Hemant Gupta', '107', '31', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karan Singh', '108', '31', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kartikye Arora', '109', '31', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ishaan Arora', '110', '31', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohak Verma', '111', '31', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Chandan Sapra', '112', '31', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Krishnav Chopra', '113', '31', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Surya Kumar', '114', '31', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Yuvraj Singh', '115', '31', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Prabhjot Pannu', '116', '31', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Divjot Singh', '117', '32', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Keshav Sharma', '118', '32', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ashivik Sharma', '119', '32', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Prince Narula', '120', '32', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karanpreet Singh', '121', '32', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Avinash Verma', '122', '32', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amandeep Singh', '123', '32', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vaibhav Garg', '124', '32', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harman Brar', '125', '32', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akhil Sharma', '126', '32', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karan Mehra', '127', '32', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Arnav Gill', '128', '33', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Divit Verma', '129', '33', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ish Verma', '130', '33', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Himank Suri', '131', '33', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kishore Kapoor', '132', '33', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vikram Singh', '133', '33', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dhairya Khanna', '134', '33', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sukrit Chandel', '135', '33', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Agam Veer', '136', '33', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Yagya Prakash', '137', '33', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amodit Sehgal', '138', '33', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Siddharth Malhotra', '139', '34', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jayant Singh', '140', '34', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aayush Pathak', '141', '34', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Arjun Verma', '142', '34', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akshad Mehra', '143', '34', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Rohan Singh', '144', '34', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jeetesh Rajpal', '145', '34', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sagar Sethi', '146', '34', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Abhimanyu Malik', '147', '34', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Abhinav Chouhan', '148', '34', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shubham Thakur', '149', '34', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amandeep Kalotra', '1002', '100', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harsh Arora', '1003', '101', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ashish Purohit', '1004', '102', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohit Agarwal ', '1005', '103', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ravi Chawla', '1006', '104', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Arush Singh', '1007', '105', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aviraj Deshpande ', '1008', '106', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Majnu Shetty', '1009', '107', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Udai Bhaati', '1010', '108', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sumer Sidhu', '1011', '109', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aditya Parmar', '1012', '110', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Deepansh Sharma', '1013', '111', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shivam Stark', '1014', '112', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aseem Bhaskar', '1015', '113', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vaibhav Garg', '1016', '114', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Devansh Singh', '1017', '115', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dev Garg', '1018', '116', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harmanpreet Singh', '1019', '117', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jatin Kaushal', '1020', '118', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karamvir Batra', '1021', '119', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Agastya Gupta', '1022', '120', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Prashant Rana', '1023', '121', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Manvesh Brar', '1024', '122', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Manraj Virk ', '1025', '123', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sukhjot Khehra', '1026', '124', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Yuvi Chandi', '1027', '125', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anubhav Sood', '1028', '126', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Garv Singhal', '1029', '127', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aditya Gupta', '1030', '128', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Gurpreet Battu', '1031', '129', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harinder Lamba', '1032', '130', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sarbjit Waraich', '1033', '131', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sarandeep Sandhu', '1034', '132', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Manvir Kaur', '1035', '133', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shambhaavi Kaur', '1036', '134', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vanshika Jaggi', '1037', '135', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vidushee Gupta', '1038', '136', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amar Kaur', '1039', '137', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nimrat Randhawa', '1040', '138', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Simar Sidhu', '1041', '139', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ambreen Kaur Bains', '1042', '140', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Khushi Chawla', '1043', '141', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Deevanshi Sabharwal', '1044', '142', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Guneev Arora', '1045', '143', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Raghav', '2001', '222', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Rohan', '2002', '223', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ram', '2003', '224', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohan', '2004', '225', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshit', '2005', '226', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akshat', '2006', '227', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Samar', '2007', '228', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ali', '2008', '229', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kamal', '2009', '230', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sonu', '2010', '231', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sam', '2011', '270', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sarthak', '2012', '270', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshit', '2013', '270', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harshit', '2014', '270', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Hemant', '2015', '270', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karim', '2016', '270', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vijay', '2017', '270', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ajay', '2018', '270', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sanjay', '2019', '270', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohit', '2020', '270', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Rohit', '2021', '271', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Soham', '2022', '271', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Krishna', '2023', '271', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Narayan', '2024', '271', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shreyansh', '2025', '271', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Suryansh', '2026', '271', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anirban', '2027', '271', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kanha', '2028', '271', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aditya', '2029', '271', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Saksham', '2030', '271', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Utkarsh', '2031', '272', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shaurya', '2032', '272', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anmol', '2033', '272', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Arjun', '2034', '272', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aman', '2035', '272', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Luv', '2036', '272', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kush', '2037', '272', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sundar', '2038', '272', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ram', '2039', '272', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ramesh', '2040', '272', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sridhar', '2041', '273', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vedant', '2042', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aarav', '2043', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ashish', '2044', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anuj', '2045', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amit', '2046', '273', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sumit', '2047', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Venkat', '2048', '273', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Brij', '2049', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Bhushan', '2050', '273', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vibhor', '2051', '201', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vicky', '2052', '202', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nick', '2053', '203', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ashmit', '2054', '204', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vibhor', '2055', '205', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Alakh', '2056', '206', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nishil', '2057', '207', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nishchay', '2058', '208', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nihar', '2059', '209', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nihal', '2060', '210', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ashish Miglani', '3001', '301', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('HargunDeepSingh', '3002', '301', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Krishnanshu Shoor', '3003', '301', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mustaqin Zuhsi', '3004', '301', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Robi Kurnawian', '3005', '301', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jappan Sharma', '3006', '301', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('ArshPreet Singh', '3007', '302', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Siddhant Jain', '3008', '302', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kavish Mudai', '3009', '302', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aryan Dogra', '3010', '302', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Siddharth Banga', '3011', '302', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Himanshu', '3012', '302', '16');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mayank Gupta', '3013', '303', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shivam Verma', '3014', '303', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kavay Khurana', '3015', '303', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Priyansh', '3016', '303', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Paramdeep Singh', '3017', '303', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Danish Sarwan', '3018', '303', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kabir Khanna', '3019', '304', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pulkit Arora', '3020', '304', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amandeep Kalhotra', '3021', '304', '22');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pranav Vasudev', '3022', '304', '23');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Panav Kaushal', '3023', '304', '16');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Naman Panicker', '3024', '304', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Manu Agarwal', '3025', '305', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Nipun Tank', '3026', '305', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vatsal arora', '3027', '305', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Abhishek', '3028', '305', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akshit garg', '3029', '305', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sahaj', '3030', '305', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shubham Saini', '3031', '306', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Sanket Wadhwa', '3032', '306', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ayush Garg', '3033', '306', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dhruv gupta', '3034', '306', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akshat Bansal', '3035', '306', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anhad Kamra', '3036', '306', '21');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Manas Mishra', '3037', '307', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Alok Raj', '3038', '307', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Naman Goyal', '3039', '307', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vayansh Garg', '3040', '307', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shaswat Singh', '3041', '307', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Saksham Mutneja', '3042', '307', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kshitij Sharma', '3043', '308', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Uday Sharma', '3044', '308', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ansh Bajaj', '3045', '308', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Atul Raj', '3046', '308', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Rahul Gurwan', '3047', '308', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Amey pratap', '3048', '308', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aditya Jha', '3049', '309', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Harman Preet Singh', '3050', '309', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aryan Verma', '3051', '309', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Vaibhav Garg', '3052', '309', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Prince Garg', '3053', '309', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Tanvir Singh Shera', '3054', '309', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jalaj Agarwal', '3055', '310', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shiromani Akal', '3056', '310', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kataria Bush', '3057', '310', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Dhruv Dhingra', '3058', '310', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohit Singh', '3059', '310', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Mohit Singla', '3060', '310', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pulkit Sanan', '3061', '311', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ranvir Singh', '3062', '311', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aditya Roy', '3063', '311', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Saif Ali', '3064', '311', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Karan Johar', '3065', '311', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Akbar Ali', '3066', '311', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ayushi Bhansali', '3067', '312', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Priyal Singla', '3068', '312', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Pragya Phutela', '3069', '313', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Shreya Sharma', '3070', '313', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Ridhima', '3071', '314', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Muskaan', '3072', '314', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Saloni Jaroli', '3073', '315', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Kavya', '3074', '315', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anvesha', '3075', '316', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aayushi Puri', '3076', '316', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jasleen Kaur', '3077', '317', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Rishita Verma', '3078', '317', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Piya Bhalla', '3079', '318', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Aarushi Kamboj', '3080', '318', '17');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Prachi', '3081', '319', '16');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Jahnvi', '3082', '319', '16');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Juhee', '3083', '320', '18');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Anjali Singh', '3084', '320', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Bhawna Agarwal', '3085', '321', '19');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Swasti', '3086', '321', '20');

INSERT INTO players (player\_name, player\_id, team\_id, age) VALUES ('Riddhi Garg', '3087', '322', '21');

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INSERT INTO players (player_name, player_id, team_id, age) VALUES ('DivyaJot Kaur', '3088', '322', '22');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('SimranJeet Kaur', '3089', '323', '20');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Riddhi Patra', '3090', '324', '22');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Sanaa Loombaa', '3091', '325', '23');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Aruvi Dutta', '3092', '326', '20');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Suhaani', '3093', '327', '20');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Supriya', '3094', '328', '19');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Aditi Dhaka', '3095', '329', '19');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Vidushi Gilhotra', '3096', '330', '19');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Angel Priya', '3097', '331', '20');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Yashita Maurya', '3098', '332', '18');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Sehaj Kaur', '3099', '333', '21');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Varnica Sharma', '3100', '334', '21');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Vanshika Jureja', '3101', '335', '21');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Hasika Tondon', '3102', '336', '20');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Sunny Leone', '3103', '337', '19');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Nora Fatehi', '3104', '338', '19');

INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Disha Patani', '3105', '339', '18');

select *from players;

CREATE TABLE teams
(
    team_id          INT,
    sports_id        INT,
    institution_id    INT
);

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('1', '1', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('2', '1', '2');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('3', '1', '3');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('5', '1', '4');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('11', '2', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('12', '2', '5');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('13', '2', '6');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('14', '2', '7');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('21', '3', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('22', '3', '2');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('23', '3', '3');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('24', '3', '4');

```



[illegible]

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('141', '8', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('142', '8', '8');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('222', '9', '1');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('223', '9', '2');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('224', '9', '3');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('225', '9', '4');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('226', '9', '5');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('227', '9', '6');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('228', '9', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('229', '9', '8');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('230', '9', '9');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('231', '9', '10');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('270', '10', '4');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('271', '10', '5');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('272', '10', '6');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('273', '10', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('280', '12', '4');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('281', '12', '5');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('282', '12', '6');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('283', '12', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('240', '11', '1');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('241', '11', '2');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('242', '11', '3');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('243', '11', '4');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('244', '11', '5');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('245', '11', '6');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('246', '11', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('247', '11', '8');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('248', '11', '9');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('249', '11', '10');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('301', '13', '1');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('302', '13', '2');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('303', '13', '3');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('304', '13', '4');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('305', '13', '5');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('306', '13', '6');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('307', '13', '7');

INSERT INTO teams (team\_id, sports\_id, institution\_id) VALUES ('308', '13', '8');

```
INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('309', '13', '9');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('310', '13', '10');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('311', '13', '11');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('312', '14', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('313', '14', '2');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('314', '14', '3');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('315', '14', '4');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('316', '14', '5');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('317', '14', '6');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('318', '14', '7');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('319', '14', '8');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('320', '14', '9');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('321', '14', '10');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('322', '14', '11');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('323', '15', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('324', '15', '2');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('325', '15', '3');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('326', '15', '4');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('327', '15', '5');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('328', '15', '6');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('329', '15', '7');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('330', '15', '8');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('331', '15', '9');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('332', '16', '1');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('333', '16', '3');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('334', '16', '4');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('335', '16', '5');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('336', '16', '6');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('337', '16', '9');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('338', '16', '10');

INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('339', '16', '11');

select*from teams;

CREATE TABLE venue

(

    venue_name    VARCHAR(512),

    venue_id      VARCHAR(512),

    sports_id     INT

);
```

```

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Main Ground', 'A-1', '1');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Hockey Ground', 'A-2', '2');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Game Room', 'A-3', '3');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Football Ground', 'A-4', '4');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('OAT', 'A-5', '5');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Synthetic Track', 'A-6', '9');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('K-Lawn', 'A-7', '7');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Common Area', 'A-8', '15');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Badminton Court', 'A-9', '14');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Fete Area', 'A-10', '13');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Synthetic Track', 'A-6', '11');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('K-Lawn', 'A-7', '8');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Common Area', 'A-8', '16');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('K-Lawn', 'A-7', '6');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Synthetic Track', 'A-6', '10');

INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Synthetic Track', 'A-6', '12');

```

```

CREATE TABLE accomodation

```

```

(
    hostel_name    VARCHAR(512),
    room_number    VARCHAR(512),
    player_id      INT,
    charges        INT
);

```

```

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-135', '1', '3000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('C', 'E-104', '2', '2000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'A-135', '3', '1500');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('H', 'B-103', '4', '1000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'A-103', '5', '1500');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'F-304', '6', '1500');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'C-223', '7', '3000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-149', '8', '3000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('C', 'A-120', '14', '2000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-111', '22', '3000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('C', 'E-105', '23', '2000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'B-120', '24', '3000');

INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'A-109', '25', '1500');

```

[illegible]

[illegible]

```
team_id      INT,  
position     VARCHAR(512)  
);
```

```
INSERT INTO prize (team_id, position) VALUES ('222', '1');  
INSERT INTO prize (team_id, position) VALUES ('270', '1');  
INSERT INTO prize (team_id, position) VALUES ('281', '1');  
INSERT INTO prize (team_id, position) VALUES ('247', '1');  
INSERT INTO prize (team_id, position) VALUES ('101', '1');  
INSERT INTO prize (team_id, position) VALUES ('114', '1');  
INSERT INTO prize (team_id, position) VALUES ('125', '1');  
INSERT INTO prize (team_id, position) VALUES ('136', '1');  
INSERT INTO prize (team_id, position) VALUES ('1', '1');  
INSERT INTO prize (team_id, position) VALUES ('11', '1');  
INSERT INTO prize (team_id, position) VALUES ('23', '1');  
INSERT INTO prize (team_id, position) VALUES ('31', '1');  
INSERT INTO prize (team_id, position) VALUES ('302', '1');  
INSERT INTO prize (team_id, position) VALUES ('319', '1');  
INSERT INTO prize (team_id, position) VALUES ('324', '1');  
INSERT INTO prize (team_id, position) VALUES ('338', '1');  
INSERT INTO prize (team_id, position) VALUES ('230', '2');  
INSERT INTO prize (team_id, position) VALUES ('272', '2');  
INSERT INTO prize (team_id, position) VALUES ('282', '2');  
INSERT INTO prize (team_id, position) VALUES ('241', '2');  
INSERT INTO prize (team_id, position) VALUES ('108', '2');  
INSERT INTO prize (team_id, position) VALUES ('120', '2');  
INSERT INTO prize (team_id, position) VALUES ('130', '2');  
INSERT INTO prize (team_id, position) VALUES ('141', '2');  
INSERT INTO prize (team_id, position) VALUES ('5', '2');  
INSERT INTO prize (team_id, position) VALUES ('14', '2');  
INSERT INTO prize (team_id, position) VALUES ('24', '2');  
INSERT INTO prize (team_id, position) VALUES ('32', '2');  
INSERT INTO prize (team_id, position) VALUES ('303', '2');  
INSERT INTO prize (team_id, position) VALUES ('315', '2');  
INSERT INTO prize (team_id, position) VALUES ('325', '2');  
INSERT INTO prize (team_id, position) VALUES ('339', '2');
```

```
select* from prize;
```

```
CREATE OR REPLACE TRIGGER FOREIGN_KEY
```

```

BEFORE INSERT ON teams

FOR EACH ROW

DECLARE

x sports.sports_id %TYPE;

BEGIN

SELECT sports_id INTO x FROM sports WHERE

sports_id=:NEW.sports_id;

NULL;

EXCEPTION

WHEN NO_DATA_FOUND THEN

RAISE_APPLICATION_ERROR(-20004, 'FOREIGN KEY VIOLATED

BECAUSE VALUE IS NOT FOUND IN THE PARENT TABLE');

END;


CREATE OR REPLACE TRIGGER trg_players_age_check

BEFORE INSERT OR UPDATE ON players

FOR EACH ROW

BEGIN

    IF :NEW.age > 24 THEN

        RAISE_APPLICATION_ERROR(-20001, 'Age cannot be greater than 24.');
```

END IF;

END;

```

CREATE OR REPLACE TRIGGER trg_institutions_pk

BEFORE INSERT OR UPDATE ON institutions

FOR EACH ROW

DECLARE

    v_count INTEGER;

BEGIN

    SELECT COUNT(*) INTO v_count FROM institutions WHERE institution_id = :NEW.institution_id;

    IF v_count > 0 THEN

        RAISE_APPLICATION_ERROR(-20001, 'Institution ID already exists.');
```

END IF;

END;

```

/*////////////////////cursors

DECLARE

    v_team_id prize.team_id%TYPE := 123; -- replace with actual team_id value

    v_position prize.position%TYPE;

    v_count INTEGER := 0;
```



```

BEGIN

-- Open a cursor to fetch the "position" values for the given "team_id"
FOR c_prize IN (SELECT position FROM prize WHERE team_id = v_team_id)
LOOP

    v_count := v_count + 1;

    v_position := c_prize.position;

END LOOP;


-- Display the result based on the count of "position" values found
IF v_count > 0 THEN

    DBMS_OUTPUT.PUT_LINE('Team ' || v_team_id || ' has won the following positions:');

    DBMS_OUTPUT.PUT_LINE(v_position);

ELSE

    DBMS_OUTPUT.PUT_LINE('Team ' || v_team_id || ' has not won any position.');
```

```

END IF;

END;

DECLARE

    v_player_id players.player_id%TYPE := 123; -- replace with actual player_id value

BEGIN

-- Open a cursor to fetch the row with the given "player_id"
FOR c_player IN (SELECT * FROM players WHERE player_id = v_player_id)
LOOP

    -- Delete the row

    DELETE FROM players WHERE player_id = v_player_id;

END LOOP;


-- Display a message indicating the number of rows deleted
IF SQL%ROWCOUNT > 0 THEN

    DBMS_OUTPUT.PUT_LINE('Player ' || v_player_id || ' has been deleted.');
```

```

ELSE

    DBMS_OUTPUT.PUT_LINE('No player found with ID ' || v_player_id || '.');
```

```

END IF;

END;

DECLARE

    v_sports_id sports.sports_id%TYPE := 1; -- replace with actual sports_id value

    v_team_id teams.team_id%TYPE;

    v_institution_name institutions.institution_name%TYPE;

    v_player_name players.player_name%TYPE;

```

```

CURSOR c_players IS

    SELECT p.player_name, t.team_id, i.institution_name

    FROM players p

    JOIN teams t ON p.team_id = t.team_id

    JOIN institutions i ON t.institution_id = i.institution_id

    JOIN prize pr ON t.team_id = pr.team_id

    WHERE pr.position = 1 AND t.sports_id = v_sports_id;

BEGIN

    -- Open the cursor and loop through the results

    OPEN c_players;

    LOOP

        FETCH c_players INTO v_player_name, v_team_id, v_institution_name;

        EXIT WHEN c_players%NOTFOUND;

        -- Display the results

        DBMS_OUTPUT.PUT_LINE('Player: ' || v_player_name || ', Team: ' || v_team_id || ', Institution: ' || v_institution_name);

    END LOOP;

    CLOSE c_players;

END;

CREATE OR REPLACE FUNCTION calculate_total_cost

    RETURN NUMBER

IS

    v_total_cost NUMBER := 0;

BEGIN

    -- Loop through the rows of the equipment table and add up the total cost

    FOR r IN (SELECT price, quantity FROM equipment)

    LOOP

        v_total_cost := v_total_cost + (r.price * r.quantity);

    END LOOP;

    RETURN v_total_cost;

END;

BEGIN

    DBMS_OUTPUT.PUT_LINE(calculate_total_cost());

END;

CREATE OR REPLACE FUNCTION calculate_total_charges

    RETURN NUMBER

```

IS

v\_total\_charges NUMBER := 0;

BEGIN

-- Loop through the rows of the accommodation table and add up the charges

FOR r IN (SELECT charges FROM accommodation)

LOOP

v\_total\_charges := v\_total\_charges + r.charges;

END LOOP;

RETURN v\_total\_charges;

END;

BEGIN

DBMS.OUTPUT.PUT\_LINE(calculate\_total\_charges());

END;

CREATE OR REPLACE PROCEDURE display\_player\_charges(p\_player\_id IN NUMBER)

IS

v\_charges NUMBER;

BEGIN

-- Get the charges for the specified player\_id

SELECT charges INTO v\_charges FROM accommodation WHERE player\_id = p\_player\_id;

-- Display the charges

DBMS\_OUTPUT.PUT\_LINE('Charges for player ' || p\_player\_id || ': ' || v\_charges);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('No charges found for player ' || p\_player\_id);

END;

BEGIN

display\_player\_charges(1008);

END;

CREATE OR REPLACE PROCEDURE display\_institution\_with\_most\_wins

IS

v\_max\_wins NUMBER;

v\_inst\_name institutions.institution\_name%TYPE;

BEGIN

-- Get the institution ID and name with the most position=1 wins

SELECT i.institution\_name, COUNT(p.position) INTO v\_inst\_name, v\_max\_wins

FROM institutions i

```
JOIN teams t ON i.institution_id = t.institution_id
```

```
JOIN players pl ON t.team_id = pl.team_id
```

```
JOIN prize p ON t.team_id = p.team_id
```

```
WHERE p.position = 1
```

```
GROUP BY i.institution_name
```

```
ORDER BY COUNT(p.position) DESC
```

```
FETCH FIRST 1 ROWS ONLY;
```

```
-- Display the results
```

```
IF v_max_wins > 0 THEN
```

```
    DBMS_OUTPUT.PUT_LINE('Institution with most 1st place wins: ' || v_inst_name || '(' || v_max_wins || ' wins)');
```

```
ELSE
```

```
    DBMS_OUTPUT.PUT_LINE('No 1st place wins recorded');
```

```
END IF;
```

```
END;
```

```
BEGIN
```

```
    display_institution_with_most_wins();
```

```
END;
```

# OUTPUT SCREENSHOTS OF SQL

## SQL Worksheet

```
1 CREATE TABLE sports
2 (
3     sports_name VARCHAR(512),
4     sports_id INT,
5     gender VARCHAR(512)
6 );
7
8 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Cricket', '1', 'M');
9 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Hockey', '2', 'F');
10 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Table Tennis', '3', 'M');
11 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Football', '4', 'M');
12 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Chess', '5', 'M');
13 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('High Jump', '6', 'M');
14 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Javelin Throw', '7', 'M');
15 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Long Jump', '8', 'F');
16 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('100 m Race', '9', 'M');
17 INSERT INTO sports (sports_name, sports_id, gender) VALUES ('Tug Of War Men', '10', 'M');
```

Table created.

SPORTS_NAME	SPORTS_ID	GENDER
Cricket	1	M
Hockey	2	F
Table Tennis	3	M
Football	4	M
Chess	5	M
High Jump	6	M
Javelin Throw	7	M
Long Jump	8	F
100 m Race	9	M

```
1 CREATE TABLE institutions
2 (
3     institution_name VARCHAR(512),
4     institution_id INT
5 );
6
7 INSERT INTO institutions (institution_name, institution_id) VALUES ('Thapar University,Patiala', '1');
8 INSERT INTO institutions (institution_name, institution_id) VALUES ('NIT Jalandhar', '2');
9 INSERT INTO institutions (institution_name, institution_id) VALUES ('BITS Pilani', '3');
10 INSERT INTO institutions (institution_name, institution_id) VALUES ('Chandigarh University', '4');
11 INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Ropar', '5');
12 INSERT INTO institutions (institution_name, institution_id) VALUES ('LNMIIT Jaipur', '6');
13 INSERT INTO institutions (institution_name, institution_id) VALUES ('NIT Jaipur', '7');
14 INSERT INTO institutions (institution_name, institution_id) VALUES ('JP Noida', '8');
15 INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Roorkee', '9');
16 INSERT INTO institutions (institution_name, institution_id) VALUES ('IIT Guhawati', '10');
17 INSERT INTO institutions (institution_name, institution_id) VALUES ('BITS Goa', '11');
```

1 row(s) inserted.

1 row(s) inserted.

INSTITUTION_NAME	INSTITUTION_ID
Thapar University,Patiala	1
NIT Jalandhar	2
BITS Pilani	3
Chandigarh University	4
IIT Ropar	5
LNMIIT Jaipur	6
NIT Jaipur	7
JP Noida	8

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```

1 CREATE TABLE equipment
2 (
3     equipment_name VARCHAR(512),
4     equipment_id VARCHAR(512),
5     equipment_price INT,
6     equipment_quantity INT
7 );
8
9 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Cricket Bat', 'CRK001', '1500', '20');
10 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Cricket Ball', 'CRK002', '150', '50');
11 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Hockey Stick', 'HKY001', '2000', '15');
12 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Hockey Ball', 'HKY002', '100', '50');
13 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Table Tennis Racket', 'TTN001', '500', '30');
14 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Table Tennis Ball', 'TTN002', '50', '100');
15 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Football', 'FBL001', '1000', '25');
16 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('Chess Board', 'CHS001', '500', '10');
17 INSERT INTO equipment (equipment_name, equipment_id, equipment_price, equipment_quantity) VALUES ('High Jump Bar', 'HJU001', '3000', '5');

```

EQUIPMENT_NAME	EQUIPMENT_ID	EQUIPMENT_PRICE	EQUIPMENT_QUANTITY
Cricket Bat	CRK001	1500	20
Cricket Ball	CRK002	150	50
Hockey Stick	HKY001	2000	15
Hockey Ball	HKY002	100	50
Table Tennis Racket	TTN001	500	30
Table Tennis Ball	TTN002	50	100
Football	FBL001	1000	25
Chess Board	CHS001	500	10

```

1 CREATE TABLE players
2 (
3     player_name VARCHAR(512),
4     player_id INT,
5     team_id INT,
6     age INT
7 );
8
9 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Ashutosh Mehra', '1', '1', '19');
10 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Aviral Mehta', '2', '1', '20');
11 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Ditaar Singh', '3', '1', '18');
12 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dheeraj Sharma', '4', '1', '19');
13 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Deepak Chahar', '5', '1', '19');
14 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Santosh', '6', '1', '20');
15 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Shivam Gupta', '7', '1', '18');
16 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhanush Verma', '8', '1', '20');
17 INSERT INTO players (player_name, player_id, team_id, age) VALUES ('Dhruv Gupta', '9', '1', '19');

```

PLAYER_NAME	PLAYER_ID	TEAM_ID	AGE
Ashutosh Mehra	1	1	19
Aviral Mehta	2	1	20
Ditaar Singh	3	1	18
Dheeraj Sharma	4	1	19
Deepak Chahar	5	1	19
Santosh	6	1	20
Shivam Gupta	7	1	18
Dhanush Verma	8	1	20
Dheem Gupta	9	1	19

```

1 CREATE TABLE teams
2 (
3     team_id INT,
4     sports_id INT,
5     institution_id INT
6 );
7
8 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('1', '1', '1');
9 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('2', '1', '2');
10 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('3', '1', '3');
11 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('5', '1', '4');
12 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('11', '2', '1');
13 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('12', '2', '5');
14 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('13', '2', '6');
15 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('14', '2', '7');
16 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('21', '3', '1');
17 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('22', '3', '2');
18 INSERT INTO teams (team_id, sports_id, institution_id) VALUES ('23', '3', '3');

```

TEAM_ID	SPORTS_ID	INSTITUTION_ID
1	1	1
2	1	2
3	1	3
5	1	4
11	2	1
12	2	5
13	2	6
14	2	7

```

1 CREATE TABLE venue
2 (
3     venue_name VARCHAR(512),
4     venue_id VARCHAR(512),
5     sports_id INT
6 );
7
8 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Main Ground', 'A-1', '1');
9 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Hockey Ground', 'A-2', '2');
10 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Game Room', 'A-3', '3');
11 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Football Ground', 'A-4', '4');
12 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('OAT', 'A-5', '5');
13 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Synthetic Track', 'A-6', '9');
14 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('K-Lawn', 'A-7', '7');
15 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Common Area', 'A-8', '15');
16 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Badminton Court', 'A-9', '14');
17 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('Fete Area', 'A-10', '13');
18 INSERT INTO venue (venue_name, venue_id, sports_id) VALUES ('A-11', '11', '1');

```

VENUE_NAME	VENUE_ID	SPORTS_ID
Main Ground	A-1	1
Hockey Ground	A-2	2
Game Room	A-3	3
Football Ground	A-4	4
OAT	A-5	5
Synthetic Track	A-6	9
K-Lawn	A-7	7
Common Area	A-8	15
Badminton Court	A-9	14

```

1 CREATE TABLE accomodation
2 (
3     hostel_name VARCHAR(512),
4     room_number VARCHAR(512),
5     player_id INT,
6     charges INT
7 );
8
9 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-135', '1', '3000');
10 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('C', 'E-104', '2', '2000');
11 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'A-135', '3', '1500');
12 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('H', 'B-103', '4', '1000');
13 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'A-103', '5', '1500');
14 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('K', 'F-304', '6', '1500');
15 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'C-223', '7', '3000');
16 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-149', '8', '3000');
17 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('C', 'A-120', '14', '2000');
18 INSERT INTO accomodation (hostel_name, room_number, player_id, charges) VALUES ('B', 'A-135', '1', '3000');

```

HOSTEL_NAME	ROOM_NUMBER	PLAYER_ID	CHARGES
B	A-135	1	3000
C	E-104	2	2000
K	A-135	3	1500
H	B-103	4	1000
K	A-103	5	1500
K	F-304	6	1500
B	C-223	7	3000
B	A-149	8	3000
C	A-120	14	2000

```

1 CREATE TABLE prize
2 (
3     team_id INT,
4     position VARCHAR(512)
5 );
6
7 INSERT INTO prize (team_id, position) VALUES ('222', '1');
8 INSERT INTO prize (team_id, position) VALUES ('270', '1');
9 INSERT INTO prize (team_id, position) VALUES ('281', '1');
10 INSERT INTO prize (team_id, position) VALUES ('247', '1');
11 INSERT INTO prize (team_id, position) VALUES ('101', '1');
12 INSERT INTO prize (team_id, position) VALUES ('114', '1');
13 INSERT INTO prize (team_id, position) VALUES ('125', '1');
14 INSERT INTO prize (team_id, position) VALUES ('136', '1');
15 INSERT INTO prize (team_id, position) VALUES ('1', '1');
16 INSERT INTO prize (team_id, position) VALUES ('11', '1');
17 INSERT INTO prize (team_id, position) VALUES ('23', '1');
18 INSERT INTO prize (team_id, position) VALUES ('101', '1');

```



TEAM_ID	POSITION
222	1
270	1
281	1
247	1
101	1
114	1
125	1
136	1

## PL/SQL Triggers:

```

1 v CREATE OR REPLACE TRIGGER FOREIGN_KEY
2 BEFORE INSERT ON teams
3 FOR EACH ROW
4 DECLARE
5 x sports.sports_id %TYPE;
6 v BEGIN
7 SELECT sports_id INTO x FROM sports WHERE
8 sports_id=:NEW.sports_id;
9 NULL;
10 v EXCEPTION
11 WHEN NO_DATA_FOUND THEN
12 RAISE_APPLICATION_ERROR(-20004, 'FOREIGN KEY VIOLATED
13 BECAUSE VALUE IS NOT FOUND IN THE PARENT TABLE');
14 END;
```

Trigger created.

```

1 v CREATE OR REPLACE TRIGGER trg_players_age_check
2 BEFORE INSERT OR UPDATE ON players
3 FOR EACH ROW
4 BEGIN
5 IF :NEW.age > 24 THEN
6 RAISE_APPLICATION_ERROR(-20001, 'Age cannot be greater than 24.');
```

Trigger created.

```

1 v CREATE OR REPLACE TRIGGER trg_institutions_pk
2 BEFORE INSERT OR UPDATE ON institutions
3 FOR EACH ROW
4 DECLARE
5 v_count INTEGER;
6 v BEGIN
7 SELECT COUNT(*) INTO v_count FROM institutions WHERE institution_id = :NEW.institution_id;
8 v IF v_count > 0 THEN
9 RAISE_APPLICATION_ERROR(-20001, 'Institution ID already exists.');
```

Trigger created.

## Cursors:

```
1 DECLARE
2     v_team_id prize.team_id%TYPE := 271;
3     v_position prize.position%TYPE;
4     v_count INTEGER := 0;
5 BEGIN
6     -- Open a cursor to fetch the "position" values for the given "team_id"
7     FOR c_prize IN (SELECT position FROM prize WHERE team_id = v_team_id)
8     LOOP
9         v_count := v_count + 1;
10        v_position := c_prize.position;
11    END LOOP;
12
```

Statement processed.  
Team 271 has not won any position.

```
1 DECLARE
2     v_player_id players.player_id%TYPE := 11;
3 BEGIN
4     -- Open a cursor to fetch the row with the given "player_id"
5     FOR c_player IN (SELECT * FROM players WHERE player_id = v_player_id)
6     LOOP
7         -- Delete the row
8         DELETE FROM players WHERE player_id = v_player_id;
9     END LOOP;
10
11    -- Display a message indicating the number of rows deleted
12    IF SQL%ROWCOUNT > 0 THEN
13        DBMS_OUTPUT.PUT_LINE('Player ' || v_player_id || ' has been deleted.');
```

Statement processed.  
Player 11 has been deleted.

```
1 DECLARE
2     v_sports_id sports.sports_id%TYPE := 1; -- replace with actual sports_id value
3     v_team_id teams.team_id%TYPE;
4     v_institution_name institutions.institution_name%TYPE;
5     v_player_name players.player_name%TYPE;
6
7     CURSOR c_players IS
8         SELECT p.player_name, t.team_id, i.institution_name
9         FROM players p
10        JOIN teams t ON p.team_id = t.team_id
11        JOIN institutions i ON t.institution_id = i.institution_id
12        JOIN prize pr ON t.team_id = pr.team_id
13        WHERE pr.position = 1 AND t.sports_id = v_sports_id;
14 BEGIN
15     -- Open the cursor and loop through the results
16     OPEN c_players;
17     LOOP
```

```
9         FROM players p
10        JOIN teams t ON p.team_id = t.team_id
11        JOIN institutions i ON t.institution_id = i.institution_id
12        JOIN prize pr ON t.team_id = pr.team_id
13        WHERE pr.position = 1 AND t.sports_id = v_sports_id;
14 BEGIN
15     -- Open the cursor and loop through the results
16     OPEN c_players;
17     LOOP
18         FETCH c_players INTO v_player_name, v_team_id, v_institution_name;
19         EXIT WHEN c_players%NOTFOUND;
20
21         -- Display the results
22         DBMS_OUTPUT.PUT_LINE('Player: ' || v_player_name || ', Team: ' || v_team_id || ', Institution: ' || v_institution_name);
23     END LOOP;
24     CLOSE c_players;
25 END;
```

```

9      FROM players p
10     JOIN teams t ON p.team_id = t.team_id
11     JOIN institutions i ON t.institution_id = i.institution_id

```

Statement processed.

Player: Ashutosh Mehra, Team: 1, Institution: Thapar University,Patiala  
 Player: Aviral Mehta, Team: 1, Institution: Thapar University,Patiala  
 Player: Ditaar Singh, Team: 1, Institution: Thapar University,Patiala  
 Player: Dheeraj Sharma, Team: 1, Institution: Thapar University,Patiala  
 Player: Deepak Chahar, Team: 1, Institution: Thapar University,Patiala  
 Player: Santosh, Team: 1, Institution: Thapar University,Patiala  
 Player: Shivam Gupta, Team: 1, Institution: Thapar University,Patiala  
 Player: Dhanush Verma, Team: 1, Institution: Thapar University,Patiala  
 Player: Dhruv Gupta, Team: 1, Institution: Thapar University,Patiala  
 Player: Dinesh Karthik, Team: 1, Institution: Thapar University,Patiala

```

1 v CREATE OR REPLACE FUNCTION calculate_total_cost
2   RETURN NUMBER
3   IS
4     v_total_cost NUMBER := 0;
5 v BEGIN
6     -- Loop through the rows of the equipment table and add up the total cost
7     FOR r IN (SELECT price, quantity FROM equipment)
8     LOOP
9       v_total_cost := v_total_cost + (r.price * r.quantity);
10    END LOOP;
11
12    RETURN v_total_cost;
13 END;
14 v BEGIN
15   DBMS_OUTPUT.PUT_LINE(calculate_total_cost());
16 END;

```

Statement processed.

1490500

```

1 v CREATE OR REPLACE FUNCTION calculate_total_charges
2   RETURN NUMBER
3   IS
4     v_total_charges NUMBER := 0;
5 v BEGIN
6     -- Loop through the rows of the accommodation table and add up the charges
7     FOR r IN (SELECT charges FROM accommodation)
8     LOOP
9       v_total_charges := v_total_charges + r.charges;
10    END LOOP;
11
12    RETURN v_total_charges;
13 END;
14 v BEGIN
15   a int;
16   a:=calculate_total_charges();
17   DBMS_OUTPUT.PUT_LINE(a);

```

Statement processed.

235000

```

1 v CREATE OR REPLACE PROCEDURE display_player_charges(p_player_id IN NUMBER)
2   IS
3     v_charges NUMBER;
4 v BEGIN
5     -- Get the charges for the specified player_id
6     SELECT charges INTO v_charges FROM accommodation WHERE player_id = p_player_id;
7
8     -- Display the charges
9     DBMS_OUTPUT.PUT_LINE('Charges for player ' || p_player_id || ': ' || v_charges);
10 v EXCEPTION
11   WHEN NO_DATA_FOUND THEN
12     DBMS_OUTPUT.PUT_LINE('No charges found for player ' || p_player_id);
13 END;
14 v BEGIN
15   display_player_charges(1008);
16 END;

```

Statement processed.

4000

```

1 ✓ CREATE OR REPLACE PROCEDURE display_institution_with_most_wins
2 IS
3     v_max_wins NUMBER;
4     v_inst_name institutions.institution_name%TYPE;
5 ✓ BEGIN
6     -- Get the institution ID and name with the most position=1 wins
7     SELECT i.institution_name, COUNT(p.position) INTO v_inst_name, v_max_wins
8     FROM institutions i
9     JOIN teams t ON i.institution_id = t.institution_id
10    JOIN players pl ON t.team_id = pl.team_id
11    JOIN prize p ON t.team_id = p.team_id
12    WHERE p.position = 1
13    GROUP BY i.institution_name
14    ORDER BY COUNT(p.position) DESC
15    FETCH FIRST 1 ROWS ONLY;
16
17    -- Display the results
18    IF v_max_wins > 0 THEN
19        DBMS_OUTPUT.PUT_LINE('Institution with most 1st place wins: ' || v_inst_name || ' (' || v_max_wins || ' wins)');
20    ELSE
21        DBMS_OUTPUT.PUT_LINE('No 1st place wins recorded');
22    END IF;
23 END;
24 ✓ BEGIN
25     display_institution_with_most_wins();
26 END;

```

Statement processed.  
Institution with most 1st place wins:IIT Roorkee 4 wins

# Conclusion:

In conclusion, the sports management system DBMS project aims to provide a comprehensive solution for managing various aspects of sports such as teams, players, institutions, sports, prizes, venues, and equipment. By analyzing the requirements of the system and designing an appropriate database schema, we were able to create a set of SQL queries, functions, and procedures to efficiently store, retrieve, and manipulate data. The implementation of the project involves the use of several advanced SQL features such as triggers, cursors, and exceptions, which add more flexibility and robustness to the system. Moreover, the system can be further improved by incorporating features such as user authentication, authorization, and data encryption. Overall, the sports management system DBMS project provides a powerful and efficient solution for managing sports-related data and can be customized and extended according to the specific needs of different sports organizations.