

National Basketball Association Database
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CS 340
Final Project

Outline:

My Database project is going to replicate the NBA (National Basketball Association) and its components that make it a perfect example and representation. In the NBA, there are many entities and relationships that intertwine with one another. For starters, the league is divided into two conferences, the eastern and western conference. From this split, each conference contains a number of teams (for this database each conference will have 4 teams). Within each team will contain players who are then divided up by their positions they play.

Database:

Entities

1. Players

- a. Player_id (primary key)
- b. firstName_Player
- c. lastName_Player
- d. Age
- e. Years_In_League

The players will have 5 different attributes. The first is their player_id which is the primary key for this entity unique to each player. Next is their first name and last name, which are not unique or primary since many players can have the same first and or last name. The next attribute is their age and lastly how long they have been in the league for.

2. Positions

- a. Position_id (primary key)
- b. Pos_name (unique key)

The positions entity holds 2 attributes. The first, which is the primary key position_id which helps identity certain rows in the table and the second is the unique key, the position name. This helps stop duplicates of the same position, which should only consist of a point guard, shooting guard, small forward, power forward, and center.

3. NBA Teams

- a. Team_id (primary key)
- b. Team_name (unique key)
- c. City
- d. Number_of_Ships

The NBA entity will consist of 4 attributes. The first is the primary key which is the team_id. The second is the unique id, which is the Team_name which cannot be duplicated or have more than 1 of. Third is the city that the team plays for and the last one is how many championships the team has had since the NBA started.

4. Conferences

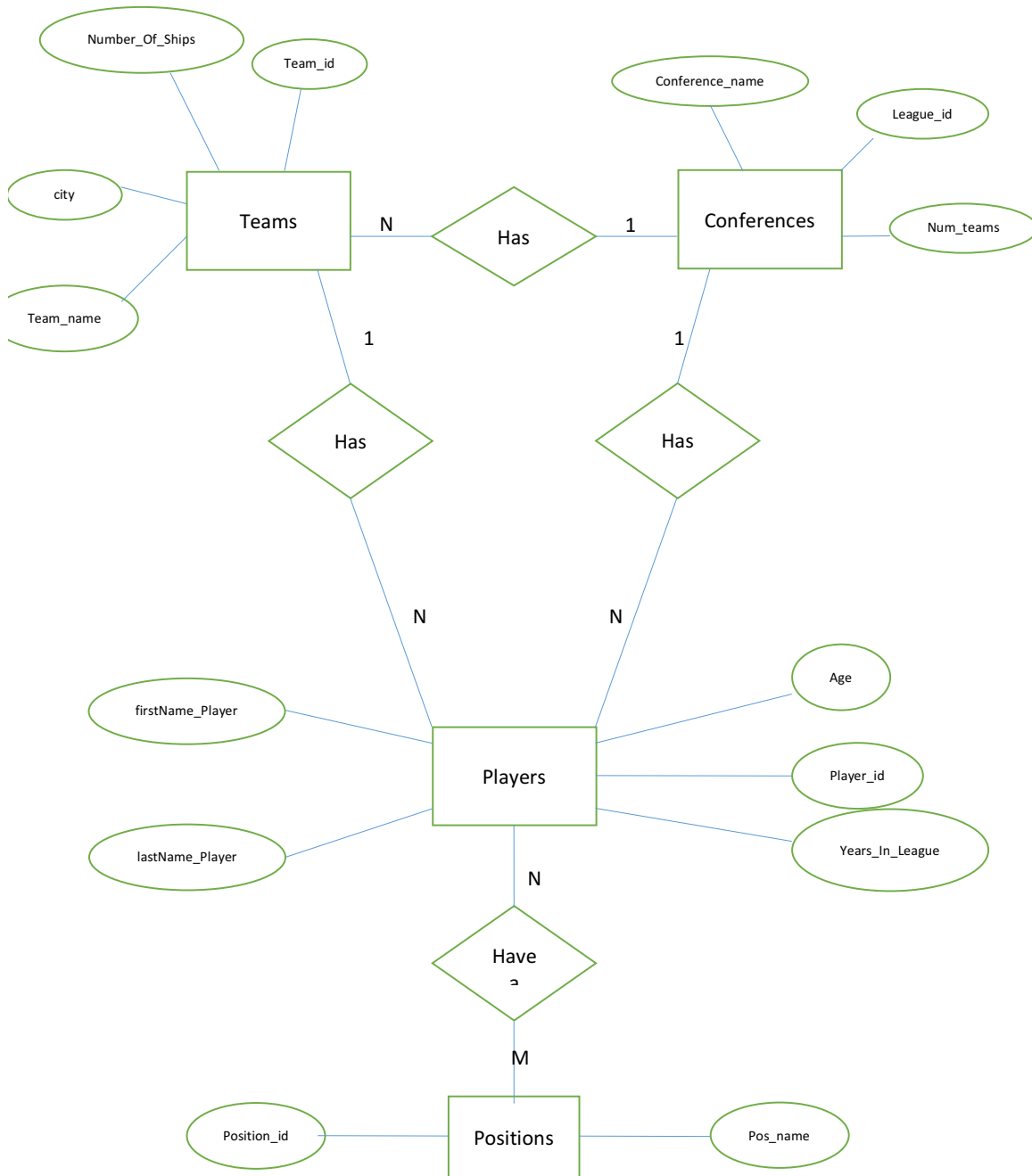
- a. League_id (primary key)
- b. Conference_Name (unique key)
- c. Num_teams

The last entity is the conferences. The attributes consist of a primary key which is the league_id, the unique key which is the conference_name, and the number of teams (num_teams) in each conference.

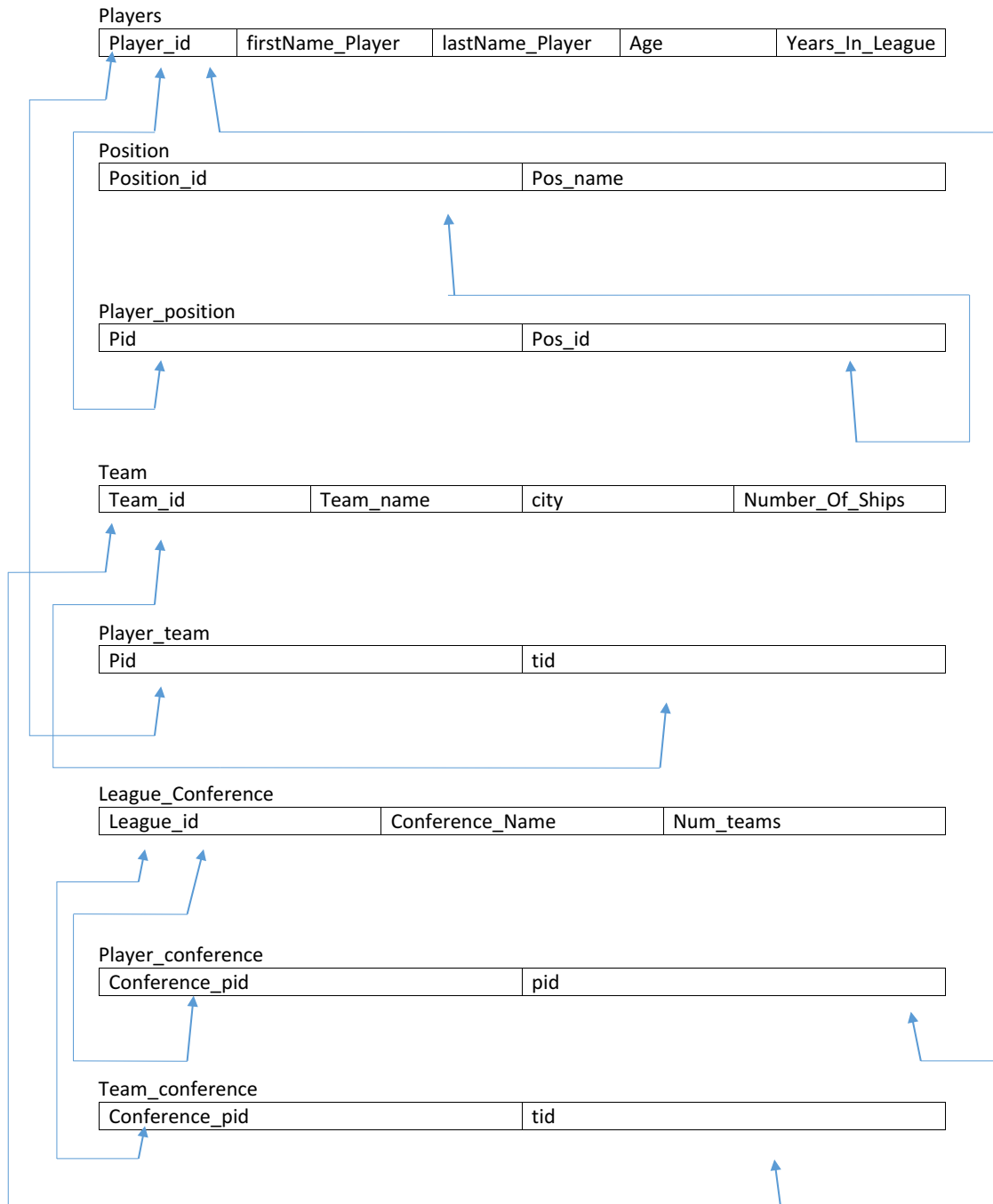
Relationships:

- 1. Players are associated with a position
- 2. Teams contain players
- 3. Conferences have players
- 4. Conferences have teams

ER Diagram:



SCHEMA:



Queries for Tables:

```
DROP TABLE IF EXISTS `player`;
DROP TABLE IF EXISTS `player_team`;
DROP TABLE IF EXISTS `position`;
DROP TABLE IF EXISTS `player_position`;
DROP TABLE IF EXISTS `player_Conference`;
DROP TABLE IF EXISTS `team`;
DROP TABLE IF EXISTS `team_Conference`;
DROP TABLE IF EXISTS `league_Conference`;
```

```
/******
** Name: player table
** Description: table of the players in the league containing their information
*****/
CREATE TABLE `player` (
    `player_id` int(11) NOT NULL AUTO_INCREMENT,
    `firstName_Player` varchar(255) NOT NULL,
    `lastName_Player` varchar(255) NOT NULL,
    `age` int(11) NOT NULL,
    `years_In_League` int(11) NOT NULL,
    PRIMARY KEY (`player_id`)
) ENGINE=InnoDB;
```

```
/******
** Name: position
** Description: Table of the different positions in the NBA
*****/
CREATE TABLE `position` (
    `position_id` int(11) NOT NULL AUTO_INCREMENT,
    `pos_name` varchar(255) NOT NULL,
    PRIMARY KEY (`position_id`),
    UNIQUE KEY (`pos_name`)
) ENGINE=InnoDB;
```

```
/******
** Name: team table
** Description: table of the teams in the NBA
*****/
CREATE TABLE `team` (
```

```

        `team_id` int(11) NOT NULL AUTO_INCREMENT,
        `team_name` varchar(255) NOT NULL,
        `city` varchar(255) NOT NULL,
        `number_of_Ships` int(11),
        PRIMARY KEY (`team_id`),
        UNIQUE KEY (`team_name`)
    ) ENGINE=InnoDB;

```

```

/*****

```

```

** Name:league_Conference

```

```

** Description: Divisions in the NBA

```

```

*****/

```

```

CREATE TABLE `league_Conference` (
    `league_id` int(11) NOT NULL AUTO_INCREMENT,
    `conference_Name` varchar(255) NOT NULL,
    `num_teams` int(11) NOT NULL,
    PRIMARY KEY (`league_id`),
    UNIQUE KEY (`conference_Name`)
) ENGINE=InnoDB;

```

```

/*****

```

```

** Name: player_position

```

```

** Description: relationship of which players hold which position

```

```

** Relationship: many to many (many players can have many positions)

```

```

*****/

```

```

CREATE TABLE `player_position` (
    `pid` int(11) NOT NULL,
    `pos_id` int(11) NOT NULL,
    PRIMARY KEY (`pid`, `pos_id`),
    FOREIGN KEY (`pid`) REFERENCES `player` (`player_id`)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    FOREIGN KEY (`pos_id`) REFERENCES `position` (`position_id`)
        ON DELETE CASCADE
        ON UPDATE CASCADE
) ENGINE=InnoDB;

```

```

/*****

```

```

** Name: player_team

```

```

** Description: relationship of which players belong to which team

```

** Relationship: one to many (one team have contain many players, players can only be on one team)

*****/

```
CREATE TABLE `player_team` (  
    `pid` int(11) NOT NULL,  
    `tid` int(11) NOT NULL,  
    PRIMARY KEY (`pid`, `tid`),  
    FOREIGN KEY (`pid`) REFERENCES `player` (`player_id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    FOREIGN KEY (`tid`) REFERENCES `team` (`team_id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
) ENGINE=InnoDB;
```

/*****/

** Name: player_Conference

** Description: relationship of which players belong to which division

** Relationship: one to many (One division can contain many players, players can only belong to one division)

*****/

```
CREATE TABLE `player_Conference` (  
    `conference_pid` int(11) NOT NULL,  
    `pid` int(11) NOT NULL,  
    PRIMARY KEY (`conference_pid`, `pid`),  
    FOREIGN KEY (`conference_pid`) REFERENCES `league_Conference` (`league_id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    FOREIGN KEY (`pid`) REFERENCES `player` (`player_id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
) ENGINE=InnoDB;
```

/*****/

** Name: team_Conference

** Description: relationship of teams that belong to a division

** Relationship: one to many (one division may have many teams within it, teams can only belong to one division)

*****/

```
CREATE TABLE `team_Conference` (  
    `conference_pid` int(11) NOT NULL,  
    `tid` int(11) NOT NULL,
```

```

PRIMARY KEY (`conference_pid`, `tid`),
FOREIGN KEY (`conference_pid`) REFERENCES `league_Conference` (`league_id`)
ON DELETE CASCADE
ON UPDATE CASCADE,
FOREIGN KEY (`tid`) REFERENCES `team` (`team_id`)
ON DELETE CASCADE
ON UPDATE CASCADE
) ENGINE=InnoDB;

```

Queries to prepopulate:

```

INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Russell", "Westbrook", 29, 9);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Paul", "George", 27, 7);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Andre", "Roberson", 26, 4);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Carmelo", "Anthony", 33, 14);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Steven", "Adams", 24, 4);

```

```

INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Lonzo", "Ball", 19, 1);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Brandon", "Ingram", 20, 1);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Josh", "Hart", 22, 1);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Isiah", "Thomas", 29, 6);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Brook", "Lopez", 29, 9);

```

```

INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Damian", "Lillard", 27, 5);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("CJ",
"McCollum", 26, 4);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Jusuf", "Nurkic", 23, 3);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Evan", "Turner", 29, 7);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Shabazz", "Napier", 26, 3);

```



```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Stephen", "Curry", 29, 8);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Klay", "Thompson", 27, 6);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Kevin", "Durant", 29, 10);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Draymond", "Green", 27, 5);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Zaza", "Pachulia", 33, 14);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Giannis", "Antetokounmpo", 23, 4);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("Eric",
"Bledsoe", 28, 7);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Malcolm", "Brogdon", 25, 1);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Jabari", "Parker", 22, 3);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Thon", "Maker", 21, 1);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("Ben",
"Simmons", 21, 1);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Markelle", "Fultz", 19, 0);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("Joel",
"Embiid", 23, 3);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("JJ",
"Reddick", 33, 11);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Dario", "Saric", 23, 1);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Kyle", "Lowry", 31, 11);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("DeMar", "DeRozan", 28, 8);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES ("OG",
"Anunoby", 28, 3);
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Serge", "Ibaka", 28, 8);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Jonas", "Valanciunas", 21, 2);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("John", "Wall", 27, 7);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Bradley", "Beal", 24, 5);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Otto", "Porter", 24, 4);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Markieff", "Morris", 28, 6);
```

```
INSERT INTO player (firstName_Player, lastName_Player, age, years_In_League) VALUES
("Marcin", "Gortat", 34, 10);
```

```
/*****
```

```
** Description: insert positions into table by their names
```

```
*****/
```

```
INSERT INTO position (pos_name) VALUES ("Point Guard");
```

```
INSERT INTO position (pos_name) VALUES ("Shooting Guard");
```

```
INSERT INTO position (pos_name) VALUES ("Small Forward");
```

```
INSERT INTO position (pos_name) VALUES ("Power Forward");
```

```
INSERT INTO position (pos_name) VALUES ("Center");
```

```
/*****
```

```
** Description: insert league divisions into table by their names and how many teams in each
division
```

```
*****/
```

```
INSERT INTO league_Conference (conference_Name, num_teams) VALUES ("East", 4);
```

```
INSERT INTO league_Conference (conference_Name, num_teams) VALUES ("West", 4);
```

```
/*****
```

```
** Description: inserting teams into team's table by their city, name, and number of
championships they have as a franchise
```

```
*****/
```

```
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Thunder", "Oklahoma", 0);
```

```
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Lakers", "Los Angeles", 16);
```

```
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("TrailBlazers", "Portland", 2);
```

```
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Warriors", "Golden State",
5);
```

```

INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Bucks", "Milwaukee", 1);
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("76ers", "Philadelphia", 3);
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Raptors", "Toronto", 0);
INSERT INTO team (team_name, city, number_of_Ships) VALUES ("Wizards", "Washington", 1);

```

```

/*****

```

```

** Description: connect between which teams are in which division

```

```

*****/

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT team_id FROM team WHERE
team_name = "Thunder"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT team_id FROM team WHERE
team_name = "Lakers"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT team_id FROM team WHERE
team_name = "TrailBlazers"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT team_id FROM team WHERE
team_name = "Warriors"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "East"), (SELECT team_id FROM team WHERE
team_name = "Bucks"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "East"), (SELECT team_id FROM team WHERE
team_name = "76ers"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "East"), (SELECT team_id FROM team WHERE
team_name = "Raptors"));

```

```

INSERT INTO team_Conference (conference_pid, tid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT team_id FROM team WHERE
team_name = "Wizards"));

```

```

/*****

```

```

** Description: connect between which players play which position(s)

```

```

*****/

```

```

INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Russell"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));

```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Paul"), (SELECT position_id FROM position WHERE pos_name = "Shooting
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Andre"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Carmelo"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Steven"), (SELECT position_id FROM position WHERE pos_name =
"Center"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Lonzo"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Brandon"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Josh"), (SELECT position_id FROM position WHERE pos_name = "Shooting
GUard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Isiah"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Brook"), (SELECT position_id FROM position WHERE pos_name =
"Center"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Damian"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "CJ"), (SELECT position_id FROM position WHERE pos_name = "Shooting
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jusuf"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Evan"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Shabazz"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Stephen"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Klay"), (SELECT position_id FROM position WHERE pos_name = "Shooting
Guard"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Kevin"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Draymond"), (SELECT position_id FROM position WHERE pos_name =
"Power Forward"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Zaza"), (SELECT position_id FROM position WHERE pos_name = "Center"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Giannis"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Eric"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Malcolm"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jabari"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Thon"), (SELECT position_id FROM position WHERE pos_name = "Center"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Ben"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Markelle"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Joel"), (SELECT position_id FROM position WHERE pos_name = "Center"));
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "JJ"), (SELECT position_id FROM position WHERE pos_name = "Shooting
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Dario"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Kyle"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "DeMar"), (SELECT position_id FROM position WHERE pos_name =
"Shooting Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "OG"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Serge"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jonas"), (SELECT position_id FROM position WHERE pos_name =
"Center"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "John"), (SELECT position_id FROM position WHERE pos_name = "Point
Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Bradley"), (SELECT position_id FROM position WHERE pos_name =
"Shooting Guard"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Otto"), (SELECT position_id FROM position WHERE pos_name = "Small
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Markieff"), (SELECT position_id FROM position WHERE pos_name = "Power
Forward"));
```

```
INSERT INTO player_position (pid, pos_id) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Marcin"), (SELECT position_id FROM position WHERE pos_name =
"Center"));
```

```
/*****
```

```
** Description: connect between which players are in which division
```

```
*****/
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM
league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player
WHERE firstName_Player = "Russell"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Paul"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Andre"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Carmelo"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Steven"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Lonzo"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Brandon"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Josh"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Isiah"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Brook"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Damian"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "CJ"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Jusuf"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Evan"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Shabazz"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Stephen"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Klay"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Kevin"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Draymond"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Zaza"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Giannis"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Eric"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Malcolm"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Jabari"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Thon"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Ben"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Markelle"));
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Joel"));
```



```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "JJ"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Dario"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Kyle"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "DeMar"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "OG"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Serge"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "East"), (SELECT player_id FROM player WHERE firstName_Player = "Jonas"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "John"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Bradley"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Otto"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Markieff"));
```

```
INSERT INTO player_Conference (conference_pid, pid) VALUES ((SELECT league_id FROM league_Conference WHERE conference_Name = "West"), (SELECT player_id FROM player WHERE firstName_Player = "Marcin"));
```

```
/*****
```

```
** Description: connect between which players belong to which teams
```

```
*****/
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Russell"), (SELECT team_id FROM team WHERE team_name = "Thunder"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Paul"), (SELECT team_id FROM team WHERE team_name = "Thunder"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Andre"), (SELECT team_id FROM team WHERE team_name = "Thunder"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Carmelo"), (SELECT team_id FROM team WHERE team_name =
"Thunder"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Steven"), (SELECT team_id FROM team WHERE team_name = "Thunder"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Lonzo"), (SELECT team_id FROM team WHERE team_name = "Lakers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Brandon"), (SELECT team_id FROM team WHERE team_name = "Lakers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Josh"), (SELECT team_id FROM team WHERE team_name = "Lakers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Isiah"), (SELECT team_id FROM team WHERE team_name = "Lakers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Brook"), (SELECT team_id FROM team WHERE team_name = "Lakers"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Damian"), (SELECT team_id FROM team WHERE team_name =
"TrailBlazers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "CJ"), (SELECT team_id FROM team WHERE team_name = "TrailBlazers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jusuf"), (SELECT team_id FROM team WHERE team_name =
"TrailBlazers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Evan"), (SELECT team_id FROM team WHERE team_name =
"TrailBlazers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Shabazz"), (SELECT team_id FROM team WHERE team_name =
"TrailBlazers"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Stephen"), (SELECT team_id FROM team WHERE team_name =
"Warriors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Klay"), (SELECT team_id FROM team WHERE team_name = "Warriors"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Kevin"), (SELECT team_id FROM team WHERE team_name = "Warriors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Draymond"), (SELECT team_id FROM team WHERE team_name =
"Warriors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Zaza"), (SELECT team_id FROM team WHERE team_name = "Warriors"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Giannis"), (SELECT team_id FROM team WHERE team_name = "Bucks"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Eric"), (SELECT team_id FROM team WHERE team_name = "Bucks"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Malcolm"), (SELECT team_id FROM team WHERE team_name = "Bucks"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jabari"), (SELECT team_id FROM team WHERE team_name = "Bucks"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Thon"), (SELECT team_id FROM team WHERE team_name = "Bucks"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Ben"), (SELECT team_id FROM team WHERE team_name = "76ers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Markelle"), (SELECT team_id FROM team WHERE team_name = "76ers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Joel"), (SELECT team_id FROM team WHERE team_name = "76ers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "JJ"), (SELECT team_id FROM team WHERE team_name = "76ers"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Dario"), (SELECT team_id FROM team WHERE team_name = "76ers"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Kyle"), (SELECT team_id FROM team WHERE team_name = "Raptors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "DeMar"), (SELECT team_id FROM team WHERE team_name = "Raptors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "OG"), (SELECT team_id FROM team WHERE team_name = "Raptors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Serge"), (SELECT team_id FROM team WHERE team_name = "Raptors"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Jonas"), (SELECT team_id FROM team WHERE team_name = "Raptors"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "John"), (SELECT team_id FROM team WHERE team_name = "Wizards"));
```

```
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Bradley"), (SELECT team_id FROM team WHERE team_name = "Wizards"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Otto"), (SELECT team_id FROM team WHERE team_name = "Wizards"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Markieff"), (SELECT team_id FROM team WHERE team_name =
"Wizards"));
INSERT INTO player_team (pid, tid) VALUES ((SELECT player_id FROM player WHERE
firstName_Player = "Marcin"), (SELECT team_id FROM team WHERE team_name = "Wizards"));
```