NBA DATABASE MANAGEMENT SYSTEM

TEAM MEMBERS:

PRAKHAR THAPLIYAL

Reg # 140905468

Roll # 40

OJASVA JAIN

Reg # 140905490

Roll # 43

ABSTRACT

The National Basketball Association (NBA) is the pre-eminent men's professional basketball league in North America, and is widely considered to be the premier men's professional basketball league in the world. The NBA is one of the four major North American professional sports leagues. NBA players are the world's best paid sportsmen, by average annual salary per player. The league was founded in New York City on June 6, 1946, as the Basketball Association of America (BAA). The league adopted the name National Basketball Association on August 3, 1949, after merging with its rival National Basketball League (NBL).
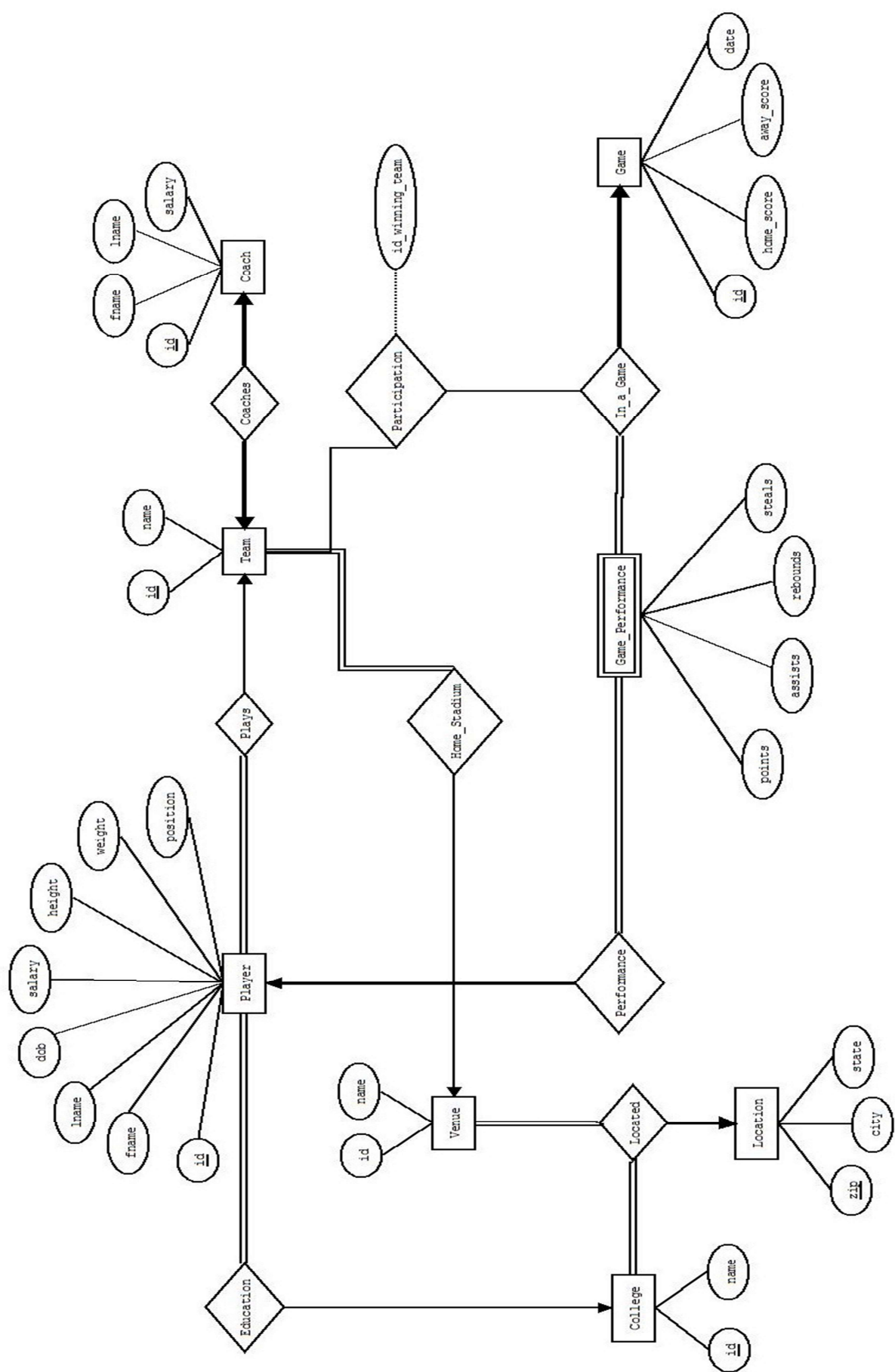
Therefore the need arises to maintain a data base for the current season of NBA. Our application allows a very easy navigation of the current season to a user. He can keep track of the teams, the statistics, the players and the future matches.
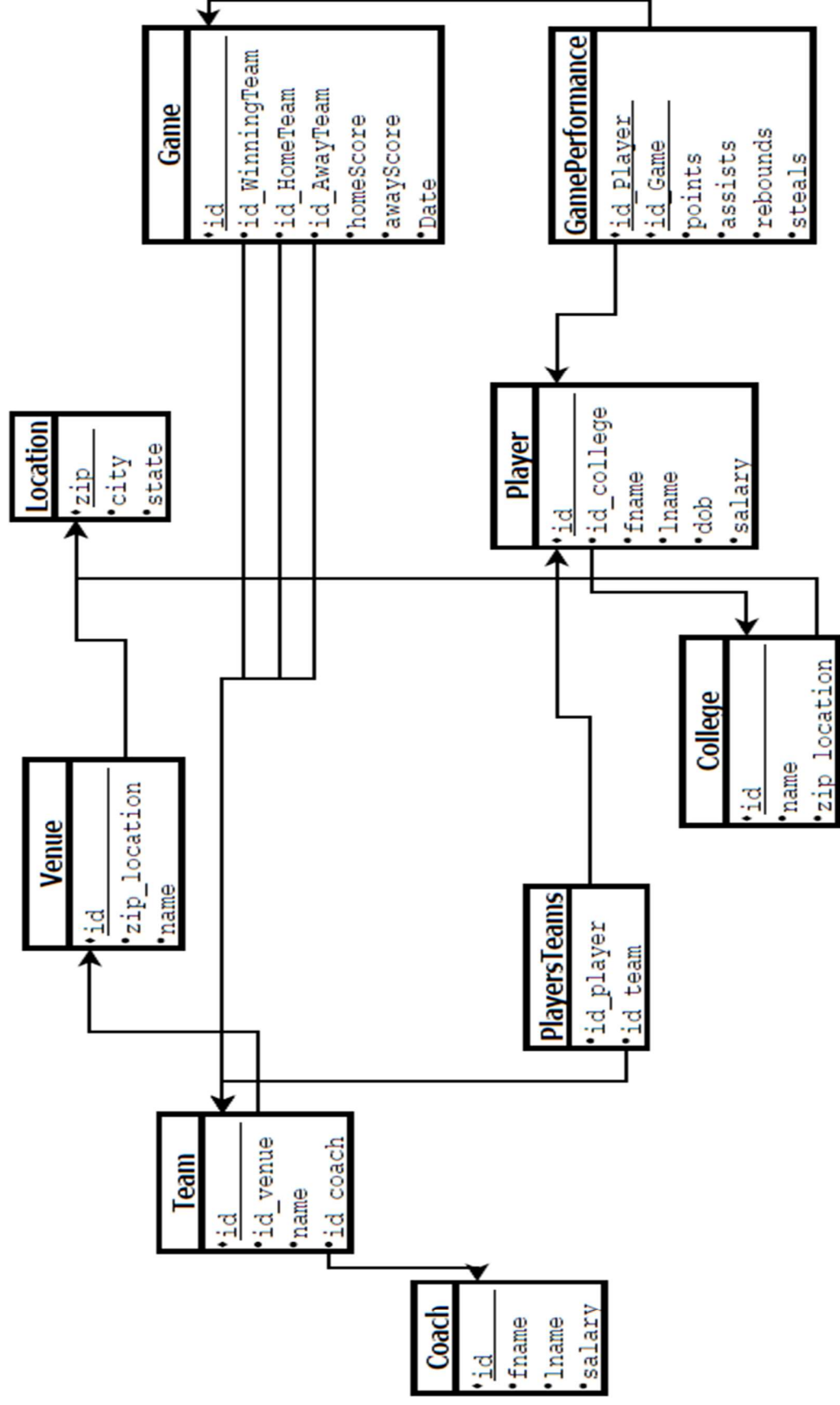
PROBLEM STATEMENT

The National Basketball Association (NBA) comprises of 30 franchised teams. A total of 2460 matches are played in a single season (82 per team). As such there arises a need to maintain a database which would enable us to get statistical data about the season. The project allows the users to get meaningful data about the season. Using this application, it is possible to view the current standings of the teams, the top scorers and assist leaders, match schedule, bio-data of the players.

Each team has a name, a unique ID, a zip location and a coach. Teams have their own arenas and it is possible that an arena may be shared by two or more teams. Every player has a name, date of birth, salary, college and a unique ID. When team plays a match, it is required to store final score, home team, away team, winning team, venue and the date on which the match was played. It is also necessary to store points scored and assists made by all players in a match.

ER Diagram

RELATIONAL SCHEMA

Game
- id
- id_WinningTeam
- id_HomeTeam
- id_AwayTeam
- homeScore
- awayScore
- Date

GamePerformance
- id_Player
- id_Game
- points
- assists
- rebounds
- steals

Location
- zip
- city
- state

Player
- id
- id_college
- fname
- lname
- dob
- salary

College
- id
- name
- zip_location

Venue
- id
- zip_location
- name

PlayersTeams
- id_player
- id_team

Team
- id
- id_venue
- name
- id_coach

Coach
- id
- fname
- lname
- salary

SAMPLE DATA

Coaches

```
Insert into Coach values (1,'Byron','Scott',425000);
Insert into Coach values (2,'Tyronn','Lue',3000000);
Insert into Coach values (3,'Erik','Spoelstra',3000000);
Insert into Coach values (4,'Fred','Hoiberg',1600000);
Insert into Coach values (5,'Brad','Stevens',3666000);
Insert into Coach values (6,'Gregg','Popovich',11000000);
Insert into Coach values (7,'Steve','Kerr',5000000);
Insert into Coach values (8,'Phil','Jackson',12000000);
Insert into Coach values (9,'Dwane','Casey',3750000);
Insert into Coach values (10,'Rick','Carlisle',7000000);
Insert into Coach values (11,'John-Blair','Bickerstaff',2000000);
Insert into Coach values (12,'Billy','Donovan',6000000);
Insert into Coach values (13,'Steve','Clifford',2000000);
Insert into Coach values (14,'Brett','Brown',2000000);
Insert into Coach values (15,'Stan Van','Gundy',7000000);
Insert into Coach values (16,'George','Karl',3625000);
Insert into Coach values (17,'Alvin','Gentry',3437000);
Insert into Coach values (18,'Frank','Vogel',2000000);
Insert into Coach values (19,'Mike','Budenholzer',2000000);
Insert into Coach values (20,'Tony','Brown',1500000);
Insert into Coach values (21,'Randy','Wittman',3000000);
Insert into Coach values (22,'Jason','Kidd',5000000);
Insert into Coach values (23,'Doc','Rivers',10000000);
Insert into Coach values (24,'Earl','Watson',1400000);
Insert into Coach values (25,'Terry','Stotts',5000000);
Insert into Coach values (26,'Quin','Snyder',1500000);
Insert into Coach values (27,'Dave','Joerger',2000000);
Insert into Coach values (28,'Michael','Malone',2500000);
Insert into Coach values (29,'Scott','Skiles',3000000);
Insert into Coach values (30,'Sam','Mitchell',2000000);
```

Location

```
Insert into location values ('90015','Los Angeles','California');
Insert into location values ('44115','Cleveland','Ohio');
Insert into location values ('33132','Miami','Florida');
Insert into location values ('60612','Chicago','Illinois');
Insert into location values ('02114','Boston','Massachusetts');
Insert into location values ('78220','San Antonio','Texas');
Insert into location values ('94604','Oakland','California');
Insert into location values ('10028','New York City','New York');
Insert into location values ('24801','Toronto','Ontario');
Insert into location values ('75202','Dallas','Texas');
Insert into location values ('77014','Houston','Texas');
Insert into location values ('73101','Oklahoma City','Oklahoma');
```

```
Insert into location values ('28207','Charlotte','North Carolina');
Insert into location values ('19099','Philadelphia','Pennsylvania');
Insert into location values ('48216','Detroit','Michigan');
Insert into location values ('94211','Sacramento','California');
Insert into location values ('70117','New Orleans','Louisiana');
Insert into location values ('46208','Indianapolis','Indiana');
Insert into location values ('30321','Atlanta','Georgia');
Insert into location values ('11226','Brooklyn','New York');
Insert into location values ('98004','Washington,D.C.','Washington');
Insert into location values ('53202','Milwaukee','Wisconsin');
Insert into location values ('55419','Minneapolis','Minnesota');
Insert into location values ('85012','Phoenix','Arizona');
Insert into location values ('97218','Portland','Oregon');
Insert into location values ('84106','Salt Lake City','Utah');
Insert into location values ('38111','Memphis','Tennessee');
Insert into location values ('80205','Denver','Colorado');
Insert into location values ('32826','Orlando','Florida');
```

Colleges

```
Insert into college values (1,'University of California Los Angeles','90015');
Insert into college values (2,'Cleveland State University','44115');
Insert into college values (3,'Florida International univesity','33132');
Insert into college values (4,'University of Chicago','60612');
Insert into college values (5,'Boston University','02114');
Insert into college values (6,'University of Texas','78220');
Insert into college values (7,'Lincoln University','94604');
Insert into college values (8,'New York University','10028');
Insert into college values (9,'University of Toronto','24801');
Insert into college values (10,'Mountain View College','75202');
Insert into college values (11,'Rice University','77014');
Insert into college values (12,'University of Oklahoma','73101');
Insert into college values (13,'University of North Carolina','28207');
Insert into college values (14,'University of Pennsylvania','19099');
Insert into college values (15,'Wayne State University','48216');
Insert into college values (16,'California State University','94211');
Insert into college values (17,'University of New Orleans','70117');
Insert into college values (18,'University of Indianapolis','46208');
Insert into college values (19,'Georgia State University','30321');
Insert into college values (20,'Brooklyn College','11226');
Insert into college values (21,'University of Washington','98004');
Insert into college values (22,'University of Wisconsin','53202');
Insert into college values (23,'University of Minnesota','55419');
Insert into college values (24,'Arizona State University','85012');
Insert into college values (25,'Portland State University','97218');
Insert into college values (26,'University of Utah','84106');
Insert into college values (27,'University of Tennessee','38111');
Insert into college values (28,'University of Colorado Denver','80205');
Insert into college values (29,'University of Central Florida','32826');
```

Venues

```
Insert into venue values (1,'90015','Staples Center');
Insert into venue values (2,'44115','Quicken Loans Arena');
Insert into venue values (3,'33132','American Airlines Arena');
Insert into venue values (4,'60612','United Center');
```

```
Insert into venue values (5,'02114','TD Garden');
Insert into venue values (6,'78220','AT'||'&'||'T Center');
Insert into venue values (7,'94604','Oracle Arena');
Insert into venue values (8,'10028','Madison Square Garden');
Insert into venue values (9,'24801','Air Canada Center');
Insert into venue values (10,'75202','American Airlines Center');
Insert into venue values (11,'77014','Toyota Center');
Insert into venue values (12,'73101','Chesapeake Energy Arena');
Insert into venue values (13,'28207','Time Warner Cable Arena');
Insert into venue values (14,'19099','Wells Fargo Center');
Insert into venue values (15,'48216','The Palace of Auburn Hills');
Insert into venue values (16,'94211','Sleep Train Arena');
Insert into venue values (17,'70117','Smoothie King Center');
Insert into venue values (18,'46208','Bankers Life Fieldhouse');
Insert into venue values (19,'30321','Philips Arena');
Insert into venue values (20,'11226','Barclays Center');
Insert into venue values (21,'98004','Verizon Center');
Insert into venue values (22,'53202','BMO Harris Bradley Center');
Insert into venue values (23,'55419','Target Center');
Insert into venue values (24,'85012','Talking Stick Resort Arena');
Insert into venue values (25,'97218','Moda Center');
Insert into venue values (26,'84106','Vivint Smart Home Arena');
Insert into venue values (27,'38111','FedExForum');
Insert into venue values (28,'80205','Pepsi Center');
Insert into venue values (29,'32826','Amway Center');
```

Players

```
Insert into Player  values
(1,1,'Kobe','Bryant',TO_DATE('1978/08/23','yyyy/mm/dd'),25000000,198,96,'Small Forward');
Insert into Player  values
(2,1,'Jordan','Clarkson',TO_DATE('1992/06/07','yyyy/mm/dd'),845000,193,84,'Point Guard');
Insert into Player  values
(3,1,'Nick','Young',TO_DATE('1985/06/01','yyyy/mm/dd'),4994000,201,95,'Small Forward');
Insert into Player  values
(4,1,'Metta','Peace',TO_DATE('1979/11/13','yyyy/mm/dd'),1499000,201,118,'Small Forward');
Insert into Player  values
(5,1,'Julius','Randle',TO_DATE('1994/11/29','yyyy/mm/dd'),3132000,206,113,'Power Forward');
Insert into Player  values
(6,2,'LeBron','James',TO_DATE('1984/12/30','yyyy/mm/dd'),24000000,203,113,'Small Forward');
Insert into Player  values
(7,2,'Kyrie','Irving',TO_DATE('1992/03/23','yyyy/mm/dd'),17640000,191,88,'Point Guard');
Insert into Player  values
(8,2,'Kevin','Love',TO_DATE('1988/09/07','yyyy/mm/dd'),21170000,208,114,'Center Guard' );
Insert into Player values
(9,2,'Matthew','Dellavedova',TO_DATE('1990/09/08','yyyy/mm/dd'),1147000,193,90,'Point
Guard');
Insert into Player values
(10,2,'Earl','Smith',TO_DATE('1985/09/09','yyyy/mm/dd'),5000000,198,102,'Small Forward');
Insert into Player values
(11,3,'Dwyane','Wade',TO_DATE('1982/01/17','yyyy/mm/dd'),20000000,193,100,'Shooting
Guard');
Insert into Player values
(12,3,'Chris','Bosh',TO_DATE('1982/03/24','yyyy/mm/dd'),221900000,211,107,'Center Guard');
Insert into Player values
(13,3,'Hassan','Whiteside',TO_DATE('1989/06/13','yyyy/mm/dd'),981348,213,120,'Center
Guard');
```

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Insert into Player values
(14,3,'Tyler','Johnson',TO_DATE('1992/05/07','yyyy/mm/dd'),507336,193,84,'Shooting Guard');
Insert into Player values
(15,3,'Gerald','Green',TO_DATE('1986/01/26','yyyy/mm/dd'),1356000,203,93,'Small Forward');
Insert into Player values
(16,4,'Derrick','Rose',TO_DATE('1988/10/04','yyyy/mm/dd'),20190000,191,86,'Point Guard');
Insert into Player values
(17,4,'Jimmy','Butler',TO_DATE('1989/09/14','yyyy/mm/dd'),16400000,201,100,'Small
Forward');
Insert into Player values
(18,4,'Joakim','Noah',TO_DATE('1985/02/25','yyyy/mm/dd'),13400000,211,105,'Center Guard');
Insert into Player values
(19,4,'Doug','McDermott',TO_DATE('1992/01/03','yyyy/mm/dd'),2380000,203,102,'Small
Forward');
Insert into Player values
(20,4,'Pao','Gasol',TO_DATE('1980/07/06','yyyy/mm/dd'),7130000,213,113,'Center Guard');
Insert into Player values
(21,5,'Isaiah','Thomas',TO_DATE('1989/02/07','yyyy/mm/dd'),6913000,175,84,'Point Guard');
Insert into Player values
(22,5,'Marcus','Smart',TO_DATE('1994/03/06','yyyy/mm/dd'),3431000,193,100,'Point Guard');
Insert into Player values
(23,5,'Avery','Bradley',TO_DATE('1990/11/26','yyyy/mm/dd'),1524000,188,82,'Point Guard');
Insert into Player values
(24,5,'James','Young',TO_DATE('1995/08/16','yyyy/mm/dd'),1750000,198,98,'Small Forward');
Insert into Player values
(25,5,'Jae','Crowder',TO_DATE('1990/07/06','yyyy/mm/dd'),915243,198,98,'Small Forward');
Insert into Player values
(26,6,'Tim','Duncan',TO_DATE('1976/04/25','yyyy/mm/dd'),5000000,211,113,'Center Guard');
Insert into Player values
(27,6,'Kwahi','Leonard',TO_DATE('1991/06/29','yyyy/mm/dd'),16410000,201,104,'Center
Guard');
Insert into Player values
(28,6,'LaMarcus','Aldridge',TO_DATE('1985/07/19','yyyy/mm/dd'),19690000,211,109,'Small
Forward');
Insert into Player values
(29,6,'Manu','Ginobili',TO_DATE('1977/07/28','yyyy/mm/dd'),2814000,198,93,'Shooting
Guard');
Insert into Player values
(30,6,'Tony','Parker',TO_DATE('1985/05/17','yyyy/mm/dd'),12500000,188,84,'Point Guard');
Insert into Player values
(31,7,'Stephen','Curry',TO_DATE('1988/03/14','yyyy/mm/dd'),11370000,191,86,'Point Guard');
Insert into Player values
(32,7,'Klay','Thompson',TO_DATE('1990/02/08','yyyy/mm/dd'),15500000,201,98,'Shooting
Guard');
Insert into Player values
(33,7,'Draymond','Green',TO_DATE('1990/03/04','yyyy/mm/dd'),15330000,201,104,'Power
Forward');
Insert into Player values
(34,7,'Harrison','Barnes',TO_DATE('1992/05/30','yyyy/mm/dd'),3873000,203,102,'Small
Forward');
Insert into Player values
(35,7,'Andre','Iguodala',TO_DATE('1984/01/28','yyyy/mm/dd'),13530000,198,98,'Small
Forward');
Insert into Player values
(36,8,'Carmelo','Anthony',TO_DATE('1984/05/29','yyyy/mm/dd'),24560000,203,109,'Small
Forward');
Insert into Player values
(37,8,'Kristaps','Porzingis',TO_DATE('1995/08/02','yyyy/mm/dd'),4132000,221,109,'Center
Guard');
```

```sql
Insert into Player values
(38,8,'Arron','Afflalo',TO_DATE('1985/10/15','yyyy/mm/dd'),8000000,196,98,'Shooting
Guard');
Insert into Player values
(39,8,'Derrick','Williams',TO_DATE('1991/05/25','yyyy/mm/dd'),4400000,203,109,'Power
Forward');
Insert into Player values
(40,8,'Jimmer','Fredette',TO_DATE('1989/02/25','yyyy/mm/dd'),1385000,188,88,'Point Guard');
Insert into Player values
(41,9,'Kyle','Lowry',TO_DATE('1986/03/25','yyyy/mm/dd'),1200000,183,93,'Point Guard');
Insert into Player values
(42,9,'Demar','DeRozan',TO_DATE('1989/08/07','yyyy/mm/dd'),10100000,201,100,'Shooting
Guard');
Insert into Player values
(43,9,'Jonas','Valanciunas',TO_DATE('1992/05/06','yyyy/mm/dd'),4660000,213,116,'Center
Guard');
Insert into Player values
(44,9,'Cory','Joseph',TO_DATE('1991/08/20','yyyy/mm/dd'),7000000,191,86,'Point Guard');
Insert into Player values
(45,9,'DeMarre','Carroll',TO_DATE('1986/07/27','yyyy/mm/dd'),13600000,203,96,'Small
Forward');
Insert into Player values
(46,10,'Dirk','Nowitzki',TO_DATE('1978/06/19','yyyy/mm/dd'),7974000,213,111,'Center
Guard');
Insert into Player values
(47,10,'Deron','Williams',TO_DATE('1984/06/26','yyyy/mm/dd'),5000000,191,91,'Point Guard');
Insert into Player values
(48,10,'Chandler','Parsons',TO_DATE('1988/10/25','yyyy/mm/dd'),850000,206,104,'Small
Forward');
Insert into Player values
(49,10,'JaVale','McGee',TO_DATE('1988/01/19','yyyy/mm/dd'),12000000,213,122,'Center
Guard');
Insert into Player values
(50,10,'Wesley','Matthews',TO_DATE('1986/10/14','yyyy/mm/dd'),16410000,196,100,'Shooting
Guard');
Insert into Player values
(51,11,'James','Harden',TO_DATE('1989/08/26','yyyy/mm/dd'),15760000,196,100,'Shooting
Guard');
Insert into Player values
(52,11,'Dwight','Howard',TO_DATE('1985/12/08','yyyy/mm/dd'),22360000,211,120,'Center
Guard');
Insert into Player values
(53,11,'Sam','Dekker',TO_DATE('1994/05/14','yyyy/mm/dd'),1646000,200,104,'Small Forward');
Insert into Player values
(54,11,'Trevor','Ariza',TO_DATE('1985/06/30','yyyy/mm/dd'),7259000,203,98,'Small Forward');
Insert into Player values
(55,11,'Patrick','Beverley',TO_DATE('1988/07/12','yyyy/mm/dd'),788872,185,84,'Point
Guard');
Insert into Player values
(56,12,'Kevin','Durant',TO_DATE('1988/09/29','yyyy/mm/dd'),17830000,206,109,'Small
Forward');
Insert into Player values
(57,12,'Russell','Westbrook',TO_DATE('1988/11/12','yyyy/mm/dd'),16740000,191,91,'Point
Guard');
Insert into Player values
(58,12,'Steven','Adams',TO_DATE('1993/07/20','yyyy/mm/dd'),2279000,213,116,'Center Guard');
Insert into Player values
(59,12,'Serge','Ibaka',TO_DATE('1989/09/18','yyyy/mm/dd'),12350000,208,111,'Center Guard');
Insert into Player values
(60,12,'Enes','Kanter',TO_DATE('1992/05/20','yyyy/mm/dd'),16410000,211,111,'Center Guard');
```

```sql
Insert into Player values
(61,13,'Jeremy','Lin',TO_DATE('1988/08/23','yyyy/mm/dd'),2139000,191,91,'Point Guard');
Insert into Player values
(62,13,'Kemba','Walker',TO_DATE('1990/05/08','yyyy/mm/dd'),3272000,186,83,'Point Guard');
Insert into Player values
(63,13,'Frank','Kaminsky',TO_DATE('1993/04/04','yyyy/mm/dd'),2612500,210,110,'Center Guard');
Insert into Player values
(64,13,'Nicolas','Batum',TO_DATE('1988/12/14','yyyy/mm/dd'),11860000,203,91,'Small Forward');
Insert into Player values
(65,13,'Al','Jefferson',TO_DATE('1985/01/04','yyyy/mm/dd'),13500000,208,131,'Power Forward');
Insert into Player values
(66,14,'Jahlil','Okafor',TO_DATE('1995/12/15','yyyy/mm/dd'),4582680,211,125,'Center Guard');
Insert into Player values
(67,14,'Joel','Embiid',TO_DATE('1994/03/16','yyyy/mm/dd'),4626960,213,113,'Center Guard');
Insert into Player values
(68,14,'Nerlens','Noel',TO_DATE('1994/04/10','yyyy/mm/dd'),3458000,211,103,'Center Guard');
Insert into Player values
(69,14,'Nik','Stauskas',TO_DATE('1993/10/07','yyyy/mm/dd'),2869000,198,93,'Point Guard');
Insert into Player values
(70,14,'Robert','Covington',TO_DATE('1990/12/14','yyyy/mm/dd'),816482,206,98,'Small Forward');
Insert into Player values
(71,15,'Andre','Drummond',TO_DATE('1993/08/10','yyyy/mm/dd'),2568000,213,127,'Center Guard');
Insert into Player values
(72,15,'Reggie','Jackson',TO_DATE('1990/04/16','yyyy/mm/dd'),16410000,191,94,'Point Guard');
Insert into Player values
(73,15,'Stanley','Johnson',TO_DATE('1996/05/29','yyyy/mm/dd'),2842000,201,111,'Small Forward');
Insert into Player values
(74,15,'Marcus','Morris',TO_DATE('1989/09/02','yyyy/mm/dd'),5000000,206,107,'Power Forward');
Insert into Player values
(75,15,'Steve','Blake',TO_DATE('1980/02/26','yyyy/mm/dd'),2170000,191,78,'Point Guard');
Insert into Player values
(76,16,'DeMarcus','Cousins',TO_DATE('1990/08/13','yyyy/mm/dd'),15850000,211,122,'Center Guard');
Insert into Player values
(77,16,'Rajon','Rondo',TO_DATE('1986/02/22','yyyy/mm/dd'),12910000,185,84,'Point Guard');
Insert into Player values
(78,16,'Seth','Curry',TO_DATE('1990/08/23','yyyy/mm/dd'),947276,188,84,'Point Guard');
Insert into Player values
(79,16,'Rudy','Gay',TO_DATE('1986/08/17','yyyy/mm/dd'),19320000,203,104,'Small Forward');
Insert into Player values (80,16,'Willie','Cauley-
Stein',TO_DATE('1993/08/18','yyyy/mm/dd'),3398000,213,109,'Center Guard');
Insert into Player values
(81,17,'Anthony','Davis',TO_DATE('1993/03/11','yyyy/mm/dd'),7071000,208,115,'Center Guard');
Insert into Player values
(82,17,'Tyreke','Evans',TO_DATE('1989/09/19','yyyy/mm/dd'),4152000,198,100,'Small Forward');
Insert into Player values
(83,17,'Ryan','Anderson',TO_DATE('1988/05/17','yyyy/mm/dd'),2245000,208,109,'Small Forward');
Insert into Player values
(84,17,'Jrue','Holiday',TO_DATE('1990/06/12','yyyy/mm/dd'),9213000,193,93,'Point Guard');
```

```sql
Insert into Player values
(85,17,'Eric','Gordon',TO_DATE('1988/12/25','yyyy/mm/dd'),15310000,193,98,'Shooting
Guard');
Insert into Player values
(86,18,'Paul','George',TO_DATE('1990/05/02','yyyy/mm/dd'),17120000,206,100,'Small
Forward');
Insert into Player values
(87,18,'Monta','Ellis',TO_DATE('1985/10/26','yyyy/mm/dd'),10300000,191,84,'Point Guard');
Insert into Player values
(88,18,'George','Hill',TO_DATE('1986/05/04','yyyy/mm/dd'),8000000,188,84,'Point Guard');
Insert into Player values
(89,18,'Myles','Turner',TO_DATE('1996/03/24','yyyy/mm/dd'),2358000,211,110,'Center Guard');
Insert into Player values
(90,18,'Jordan','Hill',TO_DATE('1987/07/27','yyyy/mm/dd'),5000000,208,107,'Center Guard');
Insert into Player values
(91,19,'Jeff','Teague',TO_DATE('1988/06/10','yyyy/mm/dd'),8000000,188,84,'Point Guard');
Insert into Player values
(92,19,'Kyle','Korver',TO_DATE('1981/03/17','yyyy/mm/dd'),5000000,201,96,'Small Forward');
Insert into Player values
(93,19,'Al','Horford',TO_DATE('1986/06/03','yyyy/mm/dd'),12000000,208,111,'Center Guard');
Insert into Player values
(94,19,'Paul','Millsap',TO_DATE('1985/02/10','yyyy/mm/dd'),18500000,203,112,'Power
Forward');
Insert into Player values
(95,19,'Dennis','Schroder',TO_DATE('1993/09/15','yyyy/mm/dd'),1618000,188,78,'Point
Guard');
Insert into Player values
(96,20,'Brook','Lopez',TO_DATE('1988/04/01','yyyy/mm/dd'),19690000,213,125,'Center Guard');
Insert into Player values
(97,20,'Shane','Larkin',TO_DATE('1992/10/02','yyyy/mm/dd'),1450000,180,79,'Point Guard');
Insert into Player values
(98,20,'Jarrett','Jack',TO_DATE('1983/10/28','yyyy/mm/dd'),6300000,191,91,'Point Guard');
Insert into Player values
(99,20,'Bojan','Bogdanovic',TO_DATE('1989/04/18','yyyy/mm/dd'),3425510,200,98,'Small
Forward');
Insert into Player values
(100,20,'Thaddeus','Young',TO_DATE('1988/06/21','yyyy/mm/dd'),11240000,203,100,'Small
Forward');
Insert into Player values
(101,21,'John','Wall',TO_DATE('1990/09/06','yyyy/mm/dd'),7460000,193,88,'Point Guard');
Insert into Player values
(102,21,'Bradley','Beal',TO_DATE('1993/06/28','yyyy/mm/dd'),4505000,196,94,'Shooting
Guard');
Insert into Player values
(103,21,'Marcin','Gortat',TO_DATE('1984/02/17','yyyy/mm/dd'),7727000,211,109,'Center
Guard');
Insert into Player values (104,21,'Kelly','Oubre
Jr.',TO_DATE('1995/12/09','yyyy/mm/dd'),3926880,201,93,'Small Forward');
Insert into Player values (105,21,'Otto','Porter
Jr.',TO_DATE('1993/06/03','yyyy/mm/dd'),4470000,206,94,'Small Forward');
Insert into Player values
(106,22,'Giannis','Antetokounmpo',TO_DATE('1994/12/06','yyyy/mm/dd'),2995000,211,101,'Point
Guard');
Insert into Player values
(107,22,'Jabari','Parker',TO_DATE('1995/03/15','yyyy/mm/dd'),5152000,203,113,'Small
Forward');
Insert into Player values (108,22,'Michael','Carter-
Williams',TO_DATE('1991/10/10','yyyy/mm/dd'),2399000,198,86,'Point Guard');
Insert into Player values
(109,22,'Greg','Monroe',TO_DATE('1990/06/04','yyyy/mm/dd'),16410000,211,120,'Center
Guard');
```

```
Insert into Player values
(110,22,'Ovinton','Mayo',TO_DATE('1987/11/05','yyyy/mm/dd'),5633000,193,95,'Shooting
Guard');
Insert into Player values
(111,23,'Andrew','Wiggins',TO_DATE('1995/02/23','yyyy/mm/dd'),5759000,203,90,'Small
Forward');
Insert into Player values
(112,23,'Kevin','Garnett',TO_DATE('1976/05/19','yyyy/mm/dd'),1200000,211,109,'Center
Guard');
Insert into Player values
(113,23,'Ricky','Rubio',TO_DATE('1990/10/21','yyyy/mm/dd'),4660000,193,87,'Point Guard');
Insert into Player values (114,23,'Karl-
Anthony','Towns',TO_DATE('1995/11/13','yyyy/mm/dd'),5704000,211,111,'Center Guard');
Insert into Player values
(115,23,'Zach','LaVine',TO_DATE('1995/03/10','yyyy/mm/dd'),2148000,196,86,'Shooting
Guard');
Insert into Player values
(116,24,'Eric','Bledsoe',TO_DATE('1989/12/09','yyyy/mm/dd'),1708000,185,88,'Point Guard');
Insert into Player values
(117,24,'Devin','Booker',TO_DATE('1996/10/30','yyyy/mm/dd'),2128000,198,93,'Center Guard');
Insert into Player values
(118,24,'Tyson','Chandler',TO_DATE('1982/10/02','yyyy/mm/dd'),13000000,216,109,'Center
Guard');
Insert into Player values
(119,24,'Brandon','Knight',TO_DATE('1991/12/02','yyyy/mm/dd'),12170000,191,86,'Point
Guard');
Insert into Player values
(120,24,'Alex','Len',TO_DATE('1993/06/16','yyyy/mm/dd'),3807000,216,118,'Center Guard');
Insert into Player values
(121,25,'Damian','Lillard',TO_DATE('1990/07/12','yyyy/mm/dd'),4236000,191,88,'Point
Guard');
Insert into Player values
(122,25,'Christian','McCollum',TO_DATE('1991/09/19','yyyy/mm/dd'),2525000,193,91,'Shooting
Guard');
Insert into Player values
(123,25,'Meyers','Leonard',TO_DATE('1992/02/27','yyyy/mm/dd'),2318000,216,111,'Power
Forward');
Insert into Player values
(124,25,'Pat','Connaughton',TO_DATE('1993/01/06','yyyy/mm/dd'),625000,196,93,'Small
Forward');
Insert into Player values
(125,25,'Mason','Plumlee',TO_DATE('1990/03/05','yyyy/mm/dd'),1416000,208,107,'Center
Guard');
Insert into Player values
(126,26,'Gordon','Hayward',TO_DATE('1990/03/23','yyyy/mm/dd'),15410000,203,103,'Small
Forward');
Insert into Player values
(127,26,'Rudy','Gobert',TO_DATE('1992/06/26','yyyy/mm/dd'),1176000,218,111,'Center Guard');
Insert into Player values
(128,26,'Derrick','Favors',TO_DATE('1991/07/15','yyyy/mm/dd'),6008000,208,122,'Power
Forward');
Insert into Player values
(129,26,'Trey','Burke',TO_DATE('1992/11/12','yyyy/mm/dd'),2658000,183,87,'Point Guard');
Insert into Player values
(130,26,'Dante','Exum',TO_DATE('1995/07/13','yyyy/mm/dd'),3778000,198,86,'Point Guard');
Insert into Player values
(131,27,'Marc','Gasol',TO_DATE('1985/01/29','yyyy/mm/dd'),19690000,216,120,'Center Guard');
Insert into Player values
(132,27,'Zach','Randolph',TO_DATE('1981/06/16','yyyy/mm/dd'),15200000,206,118,'Power
Forward');
```

```
Insert into Player values (133,27,'Mike','Conley,
Jr.',TO_DATE('1987/10/11','yyyy/mm/dd'),7306000,185,79,'Point Guard');
Insert into Player values
(134,27,'Vince','Carter',TO_DATE('1977/01/26','yyyy/mm/dd'),3912000,198,100,'Small
Forward');
Insert into Player values
(135,27,'Matt','Barnes',TO_DATE('1980/03/09','yyyy/mm/dd'),3542000,201,103,'Small
Forward');
Insert into Player values
(136,28,'Emmanuel','Mudiay',TO_DATE('1996/03/05','yyyy/mm/dd'),3102240,196,91,'Point
Guard');
Insert into Player values
(137,28,'Kenneth','Faried',TO_DATE('1989/11/19','yyyy/mm/dd'),2250000,203,103,'Power
Forward');
Insert into Player values
(138,28,'Danilo','Gallinari',TO_DATE('1988/08/08','yyyy/mm/dd'),4190000,208,102,'Small
Forward');
Insert into Player values
(139,28,'Will','Barton',TO_DATE('1991/01/06','yyyy/mm/dd'),3533000,196,79,'Shooting
Guard');
Insert into Player values
(140,28,'Nikola','Jokic',TO_DATE('1995/02/19','yyyy/mm/dd'),1300000,208,113,'Center
Guard');
Insert into Player values
(141,29,'Victor','Oladipo',TO_DATE('1992/05/04','yyyy/mm/dd'),5192520,193,95,'Shooting
Guard');
Insert into Player values
(142,29,'Aaron','Gordon',TO_DATE('1995/09/16','yyyy/mm/dd'),4171680,206,100,'Small
Forward');
Insert into Player values
(143,29,'Elfrid','Payton',TO_DATE('1994/02/22','yyyy/mm/dd'),2505720,191,84,'Point Guard');
Insert into Player values
(144,29,'Nikola','Vucevic',TO_DATE('1990/10/24','yyyy/mm/dd'),1719000,213,118,'Center
Guard');
Insert into Player values
(145,29,'Mario','Hezonja',TO_DATE('1995/02/25','yyyy/mm/dd'),3741000,202,99,'Small
Forward');
Insert into Player values
(146,1,'Blake','Griffin',TO_DATE('1989/03/16','yyyy/mm/dd'),20140000,208,114,'Power
Forward');
Insert into Player values
(147,1,'Chris','Paul',TO_DATE('1985/05/06','yyyy/mm/dd'),21470000,183,79,'Point Guard');
Insert into Player values
(148,1,'DeAndre','Jordan',TO_DATE('1988/07/21','yyyy/mm/dd'),19690000,211,120,'Center
Guard');
Insert into Player values
(149,1,'Paul','Pierce',TO_DATE('1977/10/13','yyyy/mm/dd'),3376000,201,107,'Small Forward');
Insert into Player values
(150,1,'Jonathan','Redick',TO_DATE('1984/06/24','yyyy/mm/dd'),6750000,193,86,'Shooting
Guard');
```

Teams

```
Insert into Team values (1,1,'Los Angeles Lakers',1);
Insert into Team values (2,2,'Cleveland Cavaliers',2);
Insert into Team values (3,3,'Miami Heat',3);
Insert into Team values (4,4,'Chicago Bulls',4);
Insert into Team values (5,5,'Boston Celtics',5);
```

```
Insert into Team values (6,6,'San Antonio Spurs',6);
Insert into Team values (7,7,'Golden State Warriors',7);
Insert into Team values (8,8,'New York Knicks',8);
Insert into Team values (9,9,'Toronto Raptors',9);
Insert into Team values (10,10,'Dallas Mavericks',10);
Insert into Team values (11,11,'Houston Rockets',11);
Insert into Team values (12,12,'Oklahoma City Thunder',12);
Insert into Team values (13,13,'Charlotte Hornets',13);
Insert into Team values (14,14,'Philadelphia 76ers',14);
Insert into Team values (15,15,'Detroit Pistons',15);
Insert into Team values (16,16,'Sacramento Kings',16);
Insert into Team values (17,17,'New Orleans Pelicans',17);
Insert into Team values (18,18,'Indiana Pacers',18);
Insert into Team values (19,19,'Atlanta Hawks',19);
Insert into Team values (20,20,'Brooklyn Nets',20);
Insert into Team values (21,21,'Washington Wizards',21);
Insert into Team values (22,22,'Milwaukee Bucks',22);
Insert into Team values (23,1,'Los Angeles Clippers',23);
Insert into Team values (24,24,'Phoenix Suns',24);
Insert into Team values (25,25,'Portland Trail Blazers',25);
Insert into Team values (26,26,'Utah Jazz',26);
Insert into Team values (27,27,'Memphis Grizzlies',27);
Insert into Team values (28,28,'Denver Nuggets',28);
Insert into Team values (29,29,'Orlando Magic',29);
Insert into Team values (30,23,'Minnesota Timberwolves',30);
```

Players_Teams

```
Insert into Players_Teams values (1,1);
Insert into Players_Teams values (2,1);
Insert into Players_Teams values (3,1);
Insert into Players_Teams values (4,1);
Insert into Players_Teams values (5,1);
Insert into Players_Teams values (6,2);
Insert into Players_Teams values (7,2);
Insert into Players_Teams values (8,2);
Insert into Players_Teams values (9,2);
Insert into Players_Teams values (10,2);
Insert into Players_Teams values (11,3);
Insert into Players_Teams values (12,3);
Insert into Players_Teams values (13,3);
Insert into Players_Teams values (14,3);
Insert into Players_Teams values (15,3);
Insert into Players_Teams values (16,4);
Insert into Players_Teams values (17,4);
Insert into Players_Teams values (18,4);
Insert into Players_Teams values (19,4);
Insert into Players_Teams values (20,4);
Insert into Players_Teams values (21,5);
Insert into Players_Teams values (22,5);
Insert into Players_Teams values (23,5);
Insert into Players_Teams values (24,5);
Insert into Players_Teams values (25,5);
Insert into Players_Teams values (26,6);
Insert into Players_Teams values (27,6);
Insert into Players_Teams values (28,6);
Insert into Players_Teams values (29,6);
Insert into Players_Teams values (30,6);
```

```sql
Insert into Players_Teams values (31,7);
Insert into Players_Teams values (32,7);
Insert into Players_Teams values (33,7);
Insert into Players_Teams values (34,7);
Insert into Players_Teams values (35,7);
Insert into Players_Teams values (36,8);
Insert into Players_Teams values (37,8);
Insert into Players_Teams values (38,8);
Insert into Players_Teams values (39,8);
Insert into Players_Teams values (40,8);
Insert into Players_Teams values (41,9);
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Insert into Players_Teams values (43,9);
Insert into Players_Teams values (44,9);
Insert into Players_Teams values (45,9);
Insert into Players_Teams values (46,10);
Insert into Players_Teams values (47,10);
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Insert into Players_Teams values (88,18);
Insert into Players_Teams values (89,18);
Insert into Players_Teams values (90,18);
Insert into Players_Teams values (91,19);
```

```sql
Insert into Players_Teams values (92,19);
Insert into Players_Teams values (93,19);
Insert into Players_Teams values (94,19);
Insert into Players_Teams values (95,19);
Insert into Players_Teams values (96,20);
Insert into Players_Teams values (97,20);
Insert into Players_Teams values (98,20);
Insert into Players_Teams values (99,20);
Insert into Players_Teams values (100,20);
Insert into Players_Teams values (101,21);
Insert into Players_Teams values (102,21);
Insert into Players_Teams values (103,21);
Insert into Players_Teams values (104,21);
Insert into Players_Teams values (105,21);
Insert into Players_Teams values (106,22);
Insert into Players_Teams values (107,22);
Insert into Players_Teams values (108,22);
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Insert into Players_Teams values (110,22);
Insert into Players_Teams values (111,30);
Insert into Players_Teams values (112,30);
Insert into Players_Teams values (113,30);
Insert into Players_Teams values (114,30);
Insert into Players_Teams values (115,30);
Insert into Players_Teams values (116,24);
Insert into Players_Teams values (117,24);
Insert into Players_Teams values (118,24);
Insert into Players_Teams values (119,24);
Insert into Players_Teams values (120,24);
Insert into Players_Teams values (121,25);
Insert into Players_Teams values (122,25);
Insert into Players_Teams values (123,25);
Insert into Players_Teams values (124,25);
Insert into Players_Teams values (125,25);
Insert into Players_Teams values (126,26);
Insert into Players_Teams values (127,26);
Insert into Players_Teams values (128,26);
Insert into Players_Teams values (129,26);
Insert into Players_Teams values (130,26);
Insert into Players_Teams values (131,27);
Insert into Players_Teams values (132,27);
Insert into Players_Teams values (133,27);
Insert into Players_Teams values (134,27);
Insert into Players_Teams values (135,27);
Insert into Players_Teams values (136,28);
Insert into Players_Teams values (137,28);
Insert into Players_Teams values (138,28);
Insert into Players_Teams values (139,28);
Insert into Players_Teams values (140,28);
Insert into Players_Teams values (141,29);
Insert into Players_Teams values (142,29);
Insert into Players_Teams values (143,29);
Insert into Players_Teams values (144,29);
Insert into Players_Teams values (145,29);
Insert into Players_Teams values (146,23);
Insert into Players_Teams values (147,23);
Insert into Players_Teams values (148,23);
Insert into Players_Teams values (149,23);
Insert into Players_Teams values (150,23);
```

Games

```
Insert into Game values (1,16,1,16,95,103,TO_DATE('2016/04/08','yyyy/mm/dd'));
Insert into Game values (2,2,2,17,112,106,TO_DATE('2016/04/08','yyyy/mm/dd'));
Insert into Game values (3,18,3,18,101,108,TO_DATE('2016/04/08','yyyy/mm/dd'));
Insert into Game values (4,4,4,19,108,103,TO_DATE('2016/04/07','yyyy/mm/dd'));
Insert into Game values (5,20,5,20,98,107,TO_DATE('2016/04/07','yyyy/mm/dd'));
Insert into Game values (6,6,6,21,112,108,TO_DATE('2016/04/07','yyyy/mm/dd'));
Insert into Game values (7,22,7,22,96,102,TO_DATE('2016/04/06','yyyy/mm/dd'));
Insert into Game values (8,8,8,23,102,97,TO_DATE('2016/04/06','yyyy/mm/dd'));
Insert into Game values (9,24,9,24,94,100,TO_DATE('2016/04/06','yyyy/mm/dd'));
Insert into Game values (10,10,10,25,103,98,TO_DATE('2016/04/05','yyyy/mm/dd'));
Insert into Game values (11,26,11,26,105,109,TO_DATE('2016/04/05','yyyy/mm/dd'));
Insert into Game values (12,12,12,27,98,95,TO_DATE('2016/04/05','yyyy/mm/dd'));
Insert into Game values (13,28,13,28,96,104,TO_DATE('2016/04/04','yyyy/mm/dd'));
Insert into Game values (14,14,14,29,113,105,TO_DATE('2016/04/04','yyyy/mm/dd'));
Insert into Game values (15,30,15,30,95,105,TO_DATE('2016/04/04','yyyy/mm/dd'));
Insert into Game values (16,null,16,15,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (17,null,17,14,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (18,null,18,13,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (19,null,19,12,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (20,null,20,11,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (21,null,21,10,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (22,null,22,9,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (23,null,23,8,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (24,null,24,7,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (25,null,25,6,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (26,null,26,5,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (27,null,27,4,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (28,null,28,3,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (29,null,29,2,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (30,null,30,1,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (31,1,1,2,105,102,TO_DATE('2016/03/01','yyyy/mm/dd'));
Insert into Game values (32,2,2,3,103,98,TO_DATE('2016/03/02','yyyy/mm/dd'));
Insert into Game values (33,3,3,4,108,106,TO_DATE('2016/03/03','yyyy/mm/dd'));
Insert into Game values (34,4,4,5,102,98,TO_DATE('2016/03/04','yyyy/mm/dd'));
Insert into Game values (35,5,5,6,101,97,TO_DATE('2016/03/05','yyyy/mm/dd'));
Insert into Game values (36,6,6,7,109,104,TO_DATE('2016/03/06','yyyy/mm/dd'));
Insert into Game values (37,7,7,8,107,102,TO_DATE('2016/03/07','yyyy/mm/dd'));
Insert into Game values (38,8,8,9,112,107,TO_DATE('2016/03/07','yyyy/mm/dd'));
Insert into Game values (39,9,9,10,104,100,TO_DATE('2016/03/09','yyyy/mm/dd'));
Insert into Game values (40,10,10,11,110,106,TO_DATE('2016/03/10','yyyy/mm/dd'));
Insert into Game values (41,11,11,12,109,103,TO_DATE('2016/03/11','yyyy/mm/dd'));
Insert into Game values (42,12,12,13,99,95,TO_DATE('2016/03/12','yyyy/mm/dd'));
Insert into Game values (43,13,13,14,106,102,TO_DATE('2016/03/13','yyyy/mm/dd'));
Insert into Game values (44,14,14,15,105,102,TO_DATE('2016/03/14','yyyy/mm/dd'));
Insert into Game values (45,15,15,16,109,102,TO_DATE('2016/03/15','yyyy/mm/dd'));
Insert into Game values (46,16,16,17,113,108,TO_DATE('2016/03/16','yyyy/mm/dd'));
Insert into Game values (47,17,17,18,107,98,TO_DATE('2016/03/17','yyyy/mm/dd'));
Insert into Game values (48,18,18,19,102,96,TO_DATE('2016/03/18','yyyy/mm/dd'));
Insert into Game values (49,19,19,20,103,97,TO_DATE('2016/03/19','yyyy/mm/dd'));
Insert into Game values (50,20,20,21,106,98,TO_DATE('2016/03/20','yyyy/mm/dd'));
Insert into Game values (51,21,21,22,108,104,TO_DATE('2016/03/21','yyyy/mm/dd'));
Insert into Game values (52,22,22,23,111,106,TO_DATE('2016/03/22','yyyy/mm/dd'));
Insert into Game values (53,23,23,24,114,110,TO_DATE('2016/03/23','yyyy/mm/dd'));
Insert into Game values (54,24,24,25,104,102,TO_DATE('2016/03/24','yyyy/mm/dd'));
Insert into Game values (55,25,25,26,112,105,TO_DATE('2016/03/25','yyyy/mm/dd'));
Insert into Game values (56,26,26,27,107,102,TO_DATE('2016/03/26','yyyy/mm/dd'));
Insert into Game values (57,27,27,28,103,99,TO_DATE('2016/03/27','yyyy/mm/dd'));
```

```sql
Insert into Game values (58,28,28,29,99,97,TO_DATE('2016/03/28','yyyy/mm/dd'));
Insert into Game values (59,29,29,30,114,106,TO_DATE('2016/03/29','yyyy/mm/dd'));
Insert into Game values (60,30,30,1,110,102,TO_DATE('2016/03/30','yyyy/mm/dd'));
Insert into Game values (61,1,1,6,112,108,TO_DATE('2016/03/03','yyyy/mm/dd'));
Insert into Game values (62,7,2,7,103,106,TO_DATE('2016/03/04','yyyy/mm/dd'));
Insert into Game values (63,3,3,8,108,102,TO_DATE('2016/03/05','yyyy/mm/dd'));
Insert into Game values (64,9,4,9,101,107,TO_DATE('2016/03/06','yyyy/mm/dd'));
Insert into Game values (65,5,5,10,103,97,TO_DATE('2016/03/07','yyyy/mm/dd'));
Insert into Game values (66,11,6,11,98,102,TO_DATE('2016/03/08','yyyy/mm/dd'));
Insert into Game values (67,7,7,12,107,103,TO_DATE('2016/03/09','yyyy/mm/dd'));
Insert into Game values (68,13,8,13,110,104,TO_DATE('2016/03/10','yyyy/mm/dd'));
Insert into Game values (69,9,9,14,112,108,TO_DATE('2016/03/11','yyyy/mm/dd'));
Insert into Game values (70,15,10,15,102,96,TO_DATE('2016/03/12','yyyy/mm/dd'));
Insert into Game values (71,11,11,16,105,102,TO_DATE('2016/03/13','yyyy/mm/dd'));
Insert into Game values (72,17,12,17,102,107,TO_DATE('2016/03/14','yyyy/mm/dd'));
Insert into Game values (73,13,13,18,111,104,TO_DATE('2016/03/15','yyyy/mm/dd'));
Insert into Game values (74,19,14,19,104,98,TO_DATE('2016/03/16','yyyy/mm/dd'));
Insert into Game values (75,15,15,20,105,96,TO_DATE('2016/03/17','yyyy/mm/dd'));
Insert into Game values (76,21,16,21,104,108,TO_DATE('2016/03/18','yyyy/mm/dd'));
Insert into Game values (77,17,17,22,107,102,TO_DATE('2016/03/19','yyyy/mm/dd'));
Insert into Game values (78,23,18,23,101,106,TO_DATE('2016/03/20','yyyy/mm/dd'));
Insert into Game values (79,19,19,24,102,96,TO_DATE('2016/03/21','yyyy/mm/dd'));
Insert into Game values (80,25,20,25,108,103,TO_DATE('2016/03/22','yyyy/mm/dd'));
Insert into Game values (81,21,21,26,109,102,TO_DATE('2016/03/23','yyyy/mm/dd'));
Insert into Game values (82,27,22,27,104,99,TO_DATE('2016/03/24','yyyy/mm/dd'));
Insert into Game values (83,23,23,28,113,108,TO_DATE('2016/03/25','yyyy/mm/dd'));
Insert into Game values (84,29,24,29,102,108,TO_DATE('2016/03/26','yyyy/mm/dd'));
Insert into Game values (85,25,25,30,105,98,TO_DATE('2016/03/27','yyyy/mm/dd'));
Insert into Game values (86,1,26,1,102,107,TO_DATE('2016/03/28','yyyy/mm/dd'));
Insert into Game values (87,27,27,2,99,96,TO_DATE('2016/03/29','yyyy/mm/dd'));
Insert into Game values (88,3,28,3,102,105,TO_DATE('2016/03/30','yyyy/mm/dd'));
Insert into Game values (89,29,29,4,108,100,TO_DATE('2016/03/31','yyyy/mm/dd'));
Insert into Game values (90,5,30,5,101,106,TO_DATE('2016/03/31','yyyy/mm/dd'));
Insert into Game values (91,null,16,11,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (92,null,17,12,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (93,null,18,3,null,null,TO_DATE('2016/04/25','yyyy/mm/dd'));
Insert into Game values (94,null,19,4,null,null,TO_DATE('2016/04/25','yyyy/mm/dd'));
Insert into Game values (95,null,20,5,null,null,TO_DATE('2016/04/26','yyyy/mm/dd'));
Insert into Game values (96,null,21,6,null,null,TO_DATE('2016/04/25','yyyy/mm/dd'));
Insert into Game values (97,null,22,7,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (98,null,23,8,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (99,null,24,9,null,null,TO_DATE('2016/04/24','yyyy/mm/dd'));
Insert into Game values (100,null,25,10,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (101,null,26,11,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (102,null,27,12,null,null,TO_DATE('2016/04/23','yyyy/mm/dd'));
Insert into Game values (103,null,28,13,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (104,null,29,22,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (105,null,30,24,null,null,TO_DATE('2016/04/21','yyyy/mm/dd'));
Insert into Game values (106,null,1,5,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (107,null,2,6,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (108,null,3,7,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (109,null,4,8,null,null,TO_DATE('2016/04/22','yyyy/mm/dd'));
Insert into Game values (110,null,5,9,null,null,TO_DATE('2016/04/27','yyyy/mm/dd'));
Insert into Game values (111,null,6,10,null,null,TO_DATE('2016/04/27','yyyy/mm/dd'));
Insert into Game values (112,null,7,11,null,null,TO_DATE('2016/04/27','yyyy/mm/dd'));
Insert into Game values (113,null,8,12,null,null,TO_DATE('2016/04/27','yyyy/mm/dd'));
Insert into Game values (114,null,11,15,null,null,TO_DATE('2016/04/28','yyyy/mm/dd'));
Insert into Game values (115,null,12,16,null,null,TO_DATE('2016/04/28','yyyy/mm/dd'));
Insert into Game values (116,null,13,17,null,null,TO_DATE('2016/04/28','yyyy/mm/dd'));
Insert into Game values (117,null,14,18,null,null,TO_DATE('2016/04/28','yyyy/mm/dd'));
Insert into Game values (118,null,15,19,null,null,TO_DATE('2016/04/29','yyyy/mm/dd'));
```

```
Insert into Game values (119,null,16,20,null,null,TO_DATE('2016/04/29','yyyy/mm/dd'));
Insert into Game values (120,null,17,21,null,null,TO_DATE('2016/04/29','yyyy/mm/dd'));
Insert into Game values (121,null,18,22,null,null,TO_DATE('2016/04/30','yyyy/mm/dd'));
Insert into Game values (122,null,19,23,null,null,TO_DATE('2016/04/30','yyyy/mm/dd'));
Insert into Game values (123,null,20,24,null,null,TO_DATE('2016/04/30','yyyy/mm/dd'));
Insert into Game values (124,null,21,25,null,null,TO_DATE('2016/05/01','yyyy/mm/dd'));
Insert into Game values (125,null,22,26,null,null,TO_DATE('2016/05/01','yyyy/mm/dd'));
Insert into Game values (126,null,23,27,null,null,TO_DATE('2016/05/01','yyyy/mm/dd'));
Insert into Game values (127,null,24,28,null,null,TO_DATE('2016/05/02','yyyy/mm/dd'));
Insert into Game values (128,null,25,29,null,null,TO_DATE('2016/05/02','yyyy/mm/dd'));
Insert into Game values (129,null,26,30,null,null,TO_DATE('2016/05/03','yyyy/mm/dd'));
Insert into Game values (130,null,27,1,null,null,TO_DATE('2016/05/03','yyyy/mm/dd'));
Insert into Game values (131,null,28,2,null,null,TO_DATE('2016/05/04','yyyy/mm/dd'));
Insert into Game values (132,null,29,3,null,null,TO_DATE('2016/05/04','yyyy/mm/dd'));
Insert into Game values (133,null,30,4,null,null,TO_DATE('2016/05/05','yyyy/mm/dd'));
Insert into Game values (134,null,3,2,null,null,TO_DATE('2016/05/05','yyyy/mm/dd'));
Insert into Game values (135,null,6,8,null,null,TO_DATE('2016/05/06','yyyy/mm/dd'));
Insert into Game values (136,null,9,12,null,null,TO_DATE('2016/05/06','yyyy/mm/dd'));
Insert into Game values (137,null,12,16,null,null,TO_DATE('2016/05/07','yyyy/mm/dd'));
Insert into Game values (138,null,15,20,null,null,TO_DATE('2016/05/07','yyyy/mm/dd'));
Insert into Game values (139,null,18,24,null,null,TO_DATE('2016/05/08','yyyy/mm/dd'));
Insert into Game values (140,null,21,28,null,null,TO_DATE('2016/05/08','yyyy/mm/dd'));
Insert into Game values (141,null,24,2,null,null,TO_DATE('2016/05/09','yyyy/mm/dd'));
Insert into Game values (142,null,28,6,null,null,TO_DATE('2016/05/09','yyyy/mm/dd'));
Insert into Game values (143,null,30,10,null,null,TO_DATE('2016/05/10','yyyy/mm/dd'));
Insert into Game values (144,null,7,24,null,null,TO_DATE('2016/05/10','yyyy/mm/dd'));
Insert into Game values (145,null,6,25,null,null,TO_DATE('2016/05/11','yyyy/mm/dd'));
Insert into Game values (146,null,5,26,null,null,TO_DATE('2016/05/11','yyyy/mm/dd'));
Insert into Game values (147,null,4,27,null,null,TO_DATE('2016/05/12','yyyy/mm/dd'));
Insert into Game values (148,null,3,28,null,null,TO_DATE('2016/05/12','yyyy/mm/dd'));
Insert into Game values (149,null,2,29,null,null,TO_DATE('2016/05/13','yyyy/mm/dd'));
Insert into Game values (150,null,1,30,null,null,TO_DATE('2016/05/13','yyyy/mm/dd'));
```

Games_Performance

```
Insert into Game_performance values (1,1,25,3,5,0);
Insert into Game_performance values (2,1,18,6,1,1);
Insert into Game_performance values (3,1,19,1,4,2);
Insert into Game_performance values (4,1,14,2,1,1);
Insert into Game_performance values (5,1,19,3,2,2);
Insert into Game_performance values (76,1,28,2,5,1);
Insert into Game_performance values (77,1,21,1,3,0);
Insert into Game_performance values (78,1,18,5,2,0);
Insert into Game_performance values (79,1,19,3,1,2);
Insert into Game_performance values (80,1,17,4,2,1);
Insert into Game_performance values (6,2,32,2,6,0);
Insert into Game_performance values (7,2,28,1,4,1);
Insert into Game_performance values (8,2,19,3,2,2);
Insert into Game_performance values (9,2,18,3,0,2);
Insert into Game_performance values (10,2,15,4,1,3);
Insert into Game_performance values (81,2,26,0,4,0);
Insert into Game_performance values (82,2,23,2,5,1);
Insert into Game_performance values (83,2,18,3,2,2);
Insert into Game_performance values (84,2,20,5,3,2);
Insert into Game_performance values (85,2,19,4,1,0);
Insert into Game_performance values (11,3,23,3,4,1);
Insert into Game_performance values (12,3,19,1,3,0);
Insert into Game_performance values (13,3,22,4,1,0);
```

```
Insert into Game_performance values (14,3,18,3,0,2);
Insert into Game_performance values (15,3,19,6,1,1);
Insert into Game_performance values (86,3,27,2,5,0);
Insert into Game_performance values (87,3,22,1,3,1);
Insert into Game_performance values (88,3,21,4,3,1);
Insert into Game_performance values (89,3,18,5,2,3);
Insert into Game_performance values (90,3,20,4,1,2);
Insert into Game_performance values (16,4,28,1,6,1);
Insert into Game_performance values (17,4,21,2,3,0);
Insert into Game_performance values (18,4,24,1,4,1);
Insert into Game_performance values (19,4,17,5,0,3);
Insert into Game_performance values (20,4,18,4,1,2);
Insert into Game_performance values (91,4,23,0,4,0);
Insert into Game_performance values (92,4,20,2,2,1);
Insert into Game_performance values (93,4,22,1,4,0);
Insert into Game_performance values (94,4,19,4,1,2);
Insert into Game_performance values (95,4,19,4,2,1);
Insert into Game_performance values (21,5,24,1,5,0);
Insert into Game_performance values (22,5,19,4,3,1);
Insert into Game_performance values (23,5,20,2,4,0);
Insert into Game_performance values (24,5,18,4,1,2);
Insert into Game_performance values (25,5,17,5,1,1);
Insert into Game_performance values (96,5,28,0,7,1);
Insert into Game_performance values (97,5,21,2,4,2);
Insert into Game_performance values (98,5,23,1,5,0);
Insert into Game_performance values (99,5,16,5,0,4);
Insert into Game_performance values (100,5,19,4,2,3);
Insert into Game_performance values (26,6,31,0,8,2);
Insert into Game_performance values (27,6,25,1,5,0);
Insert into Game_performance values (28,6,23,2,6,2);
Insert into Game_performance values (29,6,18,4,2,4);
Insert into Game_performance values (30,6,15,6,1,3);
Insert into Game_performance values (101,6,28,1,6,2);
Insert into Game_performance values (102,6,22,2,5,0);
Insert into Game_performance values (103,6,21,1,5,2);
Insert into Game_performance values (104,6,20,4,3,3);
Insert into Game_performance values (105,6,17,6,2,2);
Insert into Game_performance values (31,7,24,0,5,1);
Insert into Game_performance values (32,7,18,4,3,2);
Insert into Game_performance values (33,7,20,3,4,2);
Insert into Game_performance values (34,7,17,5,1,3);
Insert into Game_performance values (35,7,17,6,0,2);
Insert into Game_performance values (106,7,23,1,6,0);
Insert into Game_performance values (107,7,21,2,4,1);
Insert into Game_performance values (108,7,19,4,2,2);
Insert into Game_performance values (109,7,20,3,4,1);
Insert into Game_performance values (110,7,19,5,1,2);
Insert into Game_performance values (36,8,25,0,6,1);
Insert into Game_performance values (37,8,22,1,4,1);
Insert into Game_performance values (38,8,19,3,3,2);
Insert into Game_performance values (39,8,20,2,4,1);
Insert into Game_performance values (40,8,16,5,2,3);
Insert into Game_performance values (111,8,22,2,5,0);
Insert into Game_performance values (112,8,18,4,2,1);
Insert into Game_performance values (113,8,19,2,3,2);
Insert into Game_performance values (114,8,20,1,4,1);
Insert into Game_performance values (115,8,18,3,1,3);
Insert into Game_performance values (41,9,19,2,3,1);
Insert into Game_performance values (42,9,18,3,2,1);
Insert into Game_performance values (43,9,17,4,1,2);
Insert into Game_performance values (44,9,19,3,2,0);
```

```
Insert into Game_performance values (45,9,21,1,5,1);
Insert into Game_performance values (116,9,24,2,6,0);
Insert into Game_performance values (117,9,22,1,4,1);
Insert into Game_performance values (118,9,17,5,2,3);
Insert into Game_performance values (119,9,19,3,3,2);
Insert into Game_performance values (120,9,18,4,3,1);
Insert into Game_performance values (46,10,27,1,7,0);
Insert into Game_performance values (47,10,18,4,3,2);
Insert into Game_performance values (48,10,22,2,5,1);
Insert into Game_performance values (49,10,21,3,4,1);
Insert into Game_performance values (50,10,15,6,0,4);
Insert into Game_performance values (121,10,24,2,6,1);
Insert into Game_performance values (122,10,21,1,4,1);
Insert into Game_performance values (123,10,17,4,2,2);
Insert into Game_performance values (124,10,19,3,3,2);
Insert into Game_performance values (125,10,17,5,1,3);
Insert into Game_performance values (51,11,27,2,6,0);
Insert into Game_performance values (52,11,18,3,4,2);
Insert into Game_performance values (53,11,21,1,5,1);
Insert into Game_performance values (54,11,19,4,3,2);
Insert into Game_performance values (55,11,20,1,5,0);
Insert into Game_performance values (126,11,28,0,9,2);
Insert into Game_performance values (127,11,22,2,6,1);
Insert into Game_performance values (128,11,17,6,3,3);
Insert into Game_performance values (129,11,20,3,4,0);
Insert into Game_performance values (130,11,22,4,5,1);
Insert into Game_performance values (56,12,22,2,4,2);
Insert into Game_performance values (57,12,19,1,4,1);
Insert into Game_performance values (58,12,17,3,2,2);
Insert into Game_performance values (59,12,21,2,3,2);
Insert into Game_performance values (60,12,19,5,5,0);
Insert into Game_performance values (131,12,22,2,5,2);
Insert into Game_performance values (132,12,19,1,4,1);
Insert into Game_performance values (133,12,17,4,2,1);
Insert into Game_performance values (134,12,18,3,2,1);
Insert into Game_performance values (135,12,19,3,3,3);
Insert into Game_performance values (61,13,24,1,6,3);
Insert into Game_performance values (62,13,21,0,6,2);
Insert into Game_performance values (63,13,15,4,3,1);
Insert into Game_performance values (64,13,14,4,2,2);
Insert into Game_performance values (65,13,22,2,5,3);
Insert into Game_performance values (136,13,28,1,8,0);
Insert into Game_performance values (137,13,18,5,3,3);
Insert into Game_performance values (138,13,23,2,6,2);
Insert into Game_performance values (139,13,21,2,6,2);
Insert into Game_performance values (140,13,14,6,2,4);
Insert into Game_performance values (66,14,32,2,12,2);
Insert into Game_performance values (67,14,22,3,5,1);
Insert into Game_performance values (68,14,18,5,3,3);
Insert into Game_performance values (69,14,24,6,3,2);
Insert into Game_performance values (70,14,17,7,2,4);
Insert into Game_performance values (141,14,26,2,8,0);
Insert into Game_performance values (142,14,18,5,3,2);
Insert into Game_performance values (143,14,17,7,2,4);
Insert into Game_performance values (144,14,23,3,5,2);
Insert into Game_performance values (145,14,21,4,4,1);
Insert into Game_performance values (71,15,23,1,6,3);
Insert into Game_performance values (72,15,15,2,5,3);
Insert into Game_performance values (73,15,14,4,2,2);
Insert into Game_performance values (74,15,22,4,3,1);
Insert into Game_performance values (75,15,21,0,6,2);
```

```
Insert into Game_performance values (146,15,23,2,6,1);
Insert into Game_performance values (147,15,18,4,3,2);
Insert into Game_performance values (148,15,26,1,7,0);
Insert into Game_performance values (149,15,21,2,5,1);
Insert into Game_performance values (150,15,17,5,3,3);
Insert into Game_performance values (1,31,30,1,6,1);
Insert into Game_performance values (2,31,19,8,2,2);
Insert into Game_performance values (3,31,21,1,4,1);
Insert into Game_performance values (4,31,14,6,0,3);
Insert into Game_performance values (5,31,21,2,5,0);
Insert into Game_performance values (6,31,17,6,2,1);
Insert into Game_performance values (7,31,22,2,7,0);
Insert into Game_performance values (8,31,24,3,5,1);
Insert into Game_performance values (9,31,13,9,2,3);
Insert into Game_performance values (10,31,26,2,8,1);
Insert into Game_performance values (6,32,19,5,2,2);
Insert into Game_performance values (7,32,29,2,9,1);
Insert into Game_performance values (8,32,15,7,1,4);
Insert into Game_performance values (9,32,22,3,8,0);
Insert into Game_performance values (10,32,17,5,2,1);
Insert into Game_performance values (11,32,25,1,6,3);
Insert into Game_performance values (12,32,17,3,5,2);
Insert into Game_performance values (13,32,18,4,2,1);
Insert into Game_performance values (14,32,21,5,4,0);
Insert into Game_performance values (15,32,17,4,1,3);
Insert into Game_performance values (11,33,31,2,10,1);
Insert into Game_performance values (12,33,24,2,4,0);
Insert into Game_performance values (13,33,16,7,1,3);
Insert into Game_performance values (14,33,20,4,2,2);
Insert into Game_performance values (15,33,17,6,2,3);
Insert into Game_performance values (16,33,21,2,5,1);
Insert into Game_performance values (17,33,18,5,2,2);
Insert into Game_performance values (18,33,27,2,8,0);
Insert into Game_performance values (19,33,25,1,7,1);
Insert into Game_performance values (20,33,15,8,1,4);
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Insert into Game_performance values (18,34,17,3,4,1);
Insert into Game_performance values (19,34,27,2,8,0);
Insert into Game_performance values (20,34,16,6,1,4);
Insert into Game_performance values (21,34,16,5,2,2);
Insert into Game_performance values (22,34,21,2,4,1);
Insert into Game_performance values (23,34,24,1,6,1);
Insert into Game_performance values (24,34,15,5,1,1);
Insert into Game_performance values (25,34,22,3,5,0);
Insert into Game_performance values (21,35,18,5,2,2);
Insert into Game_performance values (22,35,21,0,6,1);
Insert into Game_performance values (23,35,17,6,0,2);
Insert into Game_performance values (24,35,23,1,7,0);
Insert into Game_performance values (25,35,22,2,6,1);
Insert into Game_performance values (26,35,20,2,4,2);
Insert into Game_performance values (27,35,22,1,6,0);
Insert into Game_performance values (28,35,19,4,1,2);
Insert into Game_performance values (29,35,15,6,0,4);
Insert into Game_performance values (30,35,21,2,5,1);
Insert into Game_performance values (26,36,18,5,1,2);
Insert into Game_performance values (27,36,29,2,10,0);
Insert into Game_performance values (28,36,17,5,2,3);
Insert into Game_performance values (29,36,24,2,6,1);
Insert into Game_performance values (30,36,21,3,4,2);
Insert into Game_performance values (31,36,21,2,4,3);
```

```sql
Insert into Game_performance values (32,36,15,7,0,2);
Insert into Game_performance values (33,36,25,2,8,0);
Insert into Game_performance values (34,36,22,2,6,1);
Insert into Game_performance values (35,36,21,3,5,2);
Insert into Game_performance values (31,37,16,6,0,3);
Insert into Game_performance values (32,37,24,2,6,1);
Insert into Game_performance values (33,37,21,3,5,0);
Insert into Game_performance values (34,37,19,6,2,1);
Insert into Game_performance values (35,37,27,1,9,0);
Insert into Game_performance values (36,37,18,4,2,2);
Insert into Game_performance values (37,37,21,2,5,0);
Insert into Game_performance values (38,37,16,6,1,3);
Insert into Game_performance values (39,37,25,1,6,0);
Insert into Game_performance values (40,37,22,2,5,1);
Insert into Game_performance values (36,38,18,6,2,0);
Insert into Game_performance values (37,38,23,2,5,1);
Insert into Game_performance values (38,38,18,4,2,3);
Insert into Game_performance values (39,38,33,1,11,0);
Insert into Game_performance values (40,38,20,3,4,1);
Insert into Game_performance values (41,38,21,1,5,1);
Insert into Game_performance values (42,38,19,4,2,2);
Insert into Game_performance values (43,38,23,1,5,0);
Insert into Game_performance values (44,38,17,6,0,3);
Insert into Game_performance values (45,38,27,2,8,0);
Insert into Game_performance values (41,39,16,6,1,2);
Insert into Game_performance values (42,39,25,2,8,0);
Insert into Game_performance values (43,39,27,0,9,1);
Insert into Game_performance values (44,39,15,8,0,2);
Insert into Game_performance values (45,39,21,2,4,2);
Insert into Game_performance values (46,39,20,2,5,1);
Insert into Game_performance values (47,39,18,4,3,2);
Insert into Game_performance values (48,39,16,5,1,4);
Insert into Game_performance values (49,39,24,0,7,1);
Insert into Game_performance values (50,39,22,2,6,0);
Insert into Game_performance values (46,40,14,8,0,2);
Insert into Game_performance values (47,40,24,1,8,1);
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Insert into Game_performance values (52,40,18,4,2,1);
Insert into Game_performance values (53,40,25,2,6,0);
Insert into Game_performance values (54,40,20,3,4,1);
Insert into Game_performance values (55,40,21,1,5,1);
Insert into Game_performance values (51,41,19,4,2,2);
Insert into Game_performance values (52,41,22,1,5,2);
Insert into Game_performance values (53,41,21,2,4,3);
Insert into Game_performance values (54,41,16,7,1,3);
Insert into Game_performance values (55,41,31,1,10,0);
Insert into Game_performance values (56,41,23,1,6,1);
Insert into Game_performance values (57,41,15,6,1,3);
Insert into Game_performance values (58,41,22,1,5,2);
Insert into Game_performance values (59,41,18,3,3,2);
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Insert into Game_performance values (56,42,22,1,7,1);
Insert into Game_performance values (57,42,16,6,1,1);
Insert into Game_performance values (58,42,23,1,4,1);
Insert into Game_performance values (59,42,21,3,1,2);
Insert into Game_performance values (60,42,17,6,1,1);
Insert into Game_performance values (61,42,19,5,1,3);
Insert into Game_performance values (62,42,17,4,1,2);
```

```sql
Insert into Game_performance values (63,42,18,5,2,2);
Insert into Game_performance values (64,42,20,1,4,1);
Insert into Game_performance values (65,42,21,2,5,0);
Insert into Game_performance values (61,43,27,2,8,1);
Insert into Game_performance values (62,43,20,1,4,2);
Insert into Game_performance values (63,43,16,6,1,3);
Insert into Game_performance values (64,43,21,3,1,1);
Insert into Game_performance values (65,43,22,1,5,0);
Insert into Game_performance values (66,43,20,1,4,1);
Insert into Game_performance values (67,43,18,4,1,1);
Insert into Game_performance values (68,43,23,1,5,0);
Insert into Game_performance values (69,43,22,2,1,0);
Insert into Game_performance values (70,43,19,4,2,1);
Insert into Game_performance values (66,44,25,2,7,1);
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Insert into Game_performance values (68,44,17,6,1,3);
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Insert into Game_performance values (71,44,24,1,6,0);
Insert into Game_performance values (72,44,20,1,4,1);
Insert into Game_performance values (73,44,16,5,1,3);
Insert into Game_performance values (74,44,19,3,2,2);
Insert into Game_performance values (75,44,23,2,5,1);
Insert into Game_performance values (71,45,20,2,4,2);
Insert into Game_performance values (72,45,31,0,12,0);
Insert into Game_performance values (73,45,17,5,0,3);
Insert into Game_performance values (74,45,20,2,5,1);
Insert into Game_performance values (75,45,21,1,5,1);
Insert into Game_performance values (76,45,17,5,1,3);
Insert into Game_performance values (77,45,18,4,2,1);
Insert into Game_performance values (78,45,23,2,5,2);
Insert into Game_performance values (79,45,20,2,6,0);
Insert into Game_performance values (80,45,24,0,6,2);
Insert into Game_performance values (76,46,23,1,6,1);
Insert into Game_performance values (77,46,32,0,12,1);
Insert into Game_performance values (78,46,19,5,3,2);
Insert into Game_performance values (79,46,22,1,5,2);
Insert into Game_performance values (80,46,17,4,2,3);
Insert into Game_performance values (81,46,17,5,2,3);
Insert into Game_performance values (82,46,21,3,5,0);
Insert into Game_performance values (83,46,19,3,3,3);
Insert into Game_performance values (84,46,27,2,7,0);
Insert into Game_performance values (85,46,24,3,6,2);
Insert into Game_performance values (81,47,21,3,5,1);
Insert into Game_performance values (82,47,17,6,2,4);
Insert into Game_performance values (83,47,24,3,5,2);
Insert into Game_performance values (84,47,26,1,7,1);
Insert into Game_performance values (85,47,19,4,2,3);
Insert into Game_performance values (86,47,14,8,1,3);
Insert into Game_performance values (87,47,24,2,6,1);
Insert into Game_performance values (88,47,15,6,0,3);
Insert into Game_performance values (89,47,20,2,4,1);
Insert into Game_performance values (90,47,25,1,7,0);
Insert into Game_performance values (86,48,22,2,5,1);
Insert into Game_performance values (87,48,14,7,0,2);
Insert into Game_performance values (88,48,23,2,6,1);
Insert into Game_performance values (89,48,18,5,2,2);
Insert into Game_performance values (90,48,25,1,6,2);
Insert into Game_performance values (91,48,22,2,5,1);
Insert into Game_performance values (92,48,18,4,3,2);
Insert into Game_performance values (93,48,21,2,5,1);
```

```sql
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Insert into Game_performance values (91,49,21,2,5,0);
Insert into Game_performance values (92,49,18,4,3,2);
Insert into Game_performance values (93,49,25,2,6,1);
Insert into Game_performance values (94,49,20,3,4,2);
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Insert into Game_performance values (120,54,19,1,2,1);
Insert into Game_performance values (121,54,23,2,5,1);
Insert into Game_performance values (122,54,19,4,2,2);
Insert into Game_performance values (123,54,21,0,4,1);
Insert into Game_performance values (124,54,20,3,3,1);
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Insert into Game_performance values (122,55,20,3,4,2);
Insert into Game_performance values (123,55,21,2,5,1);
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Insert into Game_performance values (2,60,23,1,6,1);
Insert into Game_performance values (3,60,16,4,4,2);
Insert into Game_performance values (4,60,27,2,7,1);
Insert into Game_performance values (5,60,19,3,1,2);
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Insert into Game_performance values (52,66,20,4,4,2);
Insert into Game_performance values (53,66,26,3,8,2);
Insert into Game_performance values (54,66,17,5,2,3);
Insert into Game_performance values (55,66,18,5,3,2);
Insert into Game_performance values (31,67,22,3,8,2);
```

```sql
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Insert into Game_performance values (60,67,23,2,5,0);
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Insert into Game_performance values (62,73,34,1,14,0);
```

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```

```
Insert into Game_performance values (125,85,20,4,5,1);
Insert into Game_performance values (146,85,13,7,2,2);
Insert into Game_performance values (147,85,17,4,3,3);
Insert into Game_performance values (148,85,27,3,8,1);
Insert into Game_performance values (149,85,22,2,6,1);
Insert into Game_performance values (150,85,19,5,3,2);
Insert into Game_performance values (126,86,23,4,6,1);
Insert into Game_performance values (127,86,19,5,3,2);
Insert into Game_performance values (128,86,21,4,5,1);
Insert into Game_performance values (129,86,14,8,1,3);
Insert into Game_performance values (130,86,25,3,7,0);
Insert into Game_performance values (1,86,24,5,6,1);
Insert into Game_performance values (2,86,18,5,3,2);
Insert into Game_performance values (3,86,32,1,13,0);
Insert into Game_performance values (4,86,12,8,0,3);
Insert into Game_performance values (5,86,21,4,5,2);
Insert into Game_performance values (131,87,21,4,5,1);
Insert into Game_performance values (132,87,15,6,2,2);
Insert into Game_performance values (133,87,24,3,6,2);
Insert into Game_performance values (134,87,23,4,6,1);
Insert into Game_performance values (135,87,16,5,2,3);
Insert into Game_performance values (6,87,19,4,3,2);
Insert into Game_performance values (7,87,17,5,3,3);
Insert into Game_performance values (8,87,20,3,5,1);
Insert into Game_performance values (9,87,18,5,3,2);
Insert into Game_performance values (10,87,22,2,6,0);
Insert into Game_performance values (136,88,26,2,8,0);
Insert into Game_performance values (137,88,20,4,5,2);
Insert into Game_performance values (138,88,13,8,1,2);
Insert into Game_performance values (139,88,20,5,4,3);
Insert into Game_performance values (140,88,23,4,6,1);
Insert into Game_performance values (11,88,29,0,10,1);
Insert into Game_performance values (12,88,16,6,2,2);
Insert into Game_performance values (13,88,19,3,3,3);
Insert into Game_performance values (14,88,19,5,4,2);
Insert into Game_performance values (15,88,22,4,15,1);
Insert into Game_performance values (141,89,18,5,3,3);
Insert into Game_performance values (142,89,32,0,13,0);
Insert into Game_performance values (143,89,11,9,0,2);
Insert into Game_performance values (144,89,22,4,5,2);
Insert into Game_performance values (145,89,25,4,7,1);
Insert into Game_performance values (16,89,21,4,5,1);
Insert into Game_performance values (17,89,20,3,5,2);
Insert into Game_performance values (18,89,22,2,7,0);
Insert into Game_performance values (19,89,19,4,4,2);
Insert into Game_performance values (20,89,18,5,3,3);
Insert into Game_performance values (146,90,23,2,8,0);
Insert into Game_performance values (147,90,20,11,5,1);
Insert into Game_performance values (148,90,18,6,13,3);
Insert into Game_performance values (149,90,21,5,4,1);
Insert into Game_performance values (150,90,19,4,3,2);
Insert into Game_performance values (21,90,21,4,6,1);
Insert into Game_performance values (22,90,25,2,8,0);
Insert into Game_performance values (23,90,18,7,13,3);
Insert into Game_performance values (24,90,20,6,4,2);
Insert into Game_performance values (25,90,22,3,6,1);
```

DCL COMMANDS

```
Create table Coach (
     id numeric(3) primary key,
     fname varchar(12) not null,
     lname varchar(12) not null,
     salary numeric(8));

Create table Location (
     zip varchar(6) primary key,
     city varchar(15) not null,
     state varchar(15) not null);

Create table College (
     id numeric(4) primary key,
     name varchar(36) not null,
     zip_location varchar(6),
     foreign key (zip_location) references location(zip) on delete
cascade);

Create table Venue (
     id numeric(3) primary key,
     zip_location varchar(6),
     name varchar(30) not null,
     foreign key (zip_location) references location(zip) on delete
cascade);

Create table Player (
     id numeric(4) primary key,
     id_college numeric(4) not null,
     fname varchar(15) not null,
     lname varchar(15) not null,
     dob date not null,
     salary numeric(10) not null,
     height numeric(3) not null,
     weight numeric(3) not null,
     position varchar(20) check(position in('Center Guard','Point
Guard','Shooting Guard','Small Forward','Power Forward')),
     foreign key (id_college) references college(id) on delete set
null);

Create table Team (
     id numeric(3) primary key,
```

```sql
        id_venue numeric(3),
        name varchar(25) not null,
        id_coach numeric(3),
        foreign key (id_coach) references coach (id) on delete  cascade,
        foreign key (id_venue) references venue (id) on delete cascade);

Create table Players_Teams (
        id_player numeric(4),
        id_team numeric(3),
        foreign key (id_team) references team(id) on delete cascade,
        foreign key (id_player) references player(id) on delete cascade);

Create table Game (
        id numeric(8) primary key,
        id_winning_team numeric(3),
        id_home_team numeric(3),
        id_away_team numeric(3),
        home_score numeric(3) ,
        away_score numeric(3) ,
        date_played date not null,
        foreign key (id_winning_team) references team(id),
        foreign key (id_home_team) references team(id),
        foreign key (id_away_team) references team(id));

Create table Game_Performance (
        id_player numeric(4),
        id_game numeric(8),
        points numeric(2) default 0,
        assists numeric(2) default 0,
        rebounds numeric(2) default 0,
        steals numeric(2) default 0,
        foreign key (id_player) references player(id),
        foreign key (id_game) references game(id),
        primary key (id_player,id_game));

Create table User1 (
        name varchar(35),
        email_id varchar(30),
        fav_team_id numeric(3),
        password varchar(30),
        foreign key (fav_team_id) references team(id),
        primary key (email_id));
```

LIST OF QUERIES

1. SELECT NAME FROM TEAM;
2. SELECT ID,NAME FROM TEAM;
3. SELECT EMAIL FROM USER1;
4. with stats(id,avg_points) as (select id_player,avg(points) from game_performance group by id_player order by avg(points) desc),stats1(id,avg_points) as(select id,avg_points from stats where rownum<6) select stats1.id,fname,lname,avg_points,team.name as team from stats1,player,players_teams,team where player.id=stats1.id and player.id=id_player and id_team=team.id order by avg_points desc;

5. with stats(id,avg_assists) as (select id_player,avg(assists) from game_performance group by id_player order by avg(assists) desc),stats1(id,avg_assists) as(select id,avg_assists from stats where rownum<6) select stats1.id,fname,lname,avg_assists,team.name as team from stats1,player,players_teams,team where player.id=stats1.id and player.id=id_player and id_team=team.id order by avg_assists desc;

6. "with stats(id,avg_rebounds) as (select id_player,avg(rebounds) from game_performance group by id_player order by avg(rebounds) desc),stats1(id,avg_rebounds) as(select id,avg_rebounds from stats where rownum<6) select stats1.id,fname,lname,avg_rebounds,team.name as team from stats1,player,players_teams,team where player.id=stats1.id and player.id=id_player and id_team=team.id order by avg_rebounds desc;

7. with stats(id,avg_steals) as (select id_player,avg(steals) from game_performance group by id_player order by avg(steals) desc),stats1(id,avg_steals) as(select id,avg_steals from stats where rownum<6) select stats1.id,fname,lname,avg_steals,team.name as team from stats1,player,players_teams,team where player.id=stats1.id and player.id=id_player and id_team=team.id order by avg_steals desc;

8. SELECT NAME, FAV_TEAM_ID,PASSWORD FROM USER1 WHERE EMAIL=" + "'" + email + "'";

9. With match(id,id_home_team,id_away_team,home_team,away_team,home_score,away_score,venue,city,date_played) as (select game.id as id,team1.id as

```
id_home_team,team2.id as id_away_team,team1.name as
home_team,team2.name as
away_team,home_score,away_score,venue.name,city,date_played from team
team1,game,team team2,venue,location where id_home_team=team1.id and
id_away_team=team2.id and team1.id_venue=venue.id and
venue.zip_location=zip and date_played-sysdate>0 order by date_played)
select * from match;
```

10.   select
    p.id,p.fname,p.lname,p.position,points,assists,rebounds,steals from
    player p,game,game_performance gp,players_teams pt where
    p.id=pt.id_player and game.id=gp.id_game and
    game.id_home_team=pt.id_team and game.id="+game_id+" and
    gp.id_player=p.id;

11.   select
    p.id,p.fname,p.lname,p.position,points,assists,rebounds,steals from
    player p,game,game_performance gp,players_teams pt where
    p.id=pt.id_player and game.id=gp.id_game and
    game.id_away_team=pt.id_team and game.id="+game_id+" and
    gp.id_player=p.id;

12.   select fname,lname,position,college.name as
    college,dob,height,weight,salary,team.name as plays_for,team.id as
    plays_for_id from player,team,college where player.id = " + player_id
    + " and team.id in(select id_team from players_teams where id_player =
    " + player_id + ") and college.id = player.id_college;

13.   select avg(points) as points,avg(assists) as
    assists,avg(rebounds) as rebounds,avg(steals) as steals from
    game_performance where id_player="+player_id;

14.   SELECT FNAME,LNAME,POSITION,ID FROM PLAYER ORDER BY FNAME,LNAME;

15.   with
    match(id,id_home_team,id_away_team,home_team,away_team,home_score,away
    _score,venue,city,date_played) as (select game.id as id,team1.id as
    id_home_team,team2.id as id_away_team,team1.name as
    home_team,team2.name as
    away_team,home_score,away_score,venue.name,city,date_played from team
```

```
    team1,game,team team2,venue,location where id_home_team=team1.id and
    id_away_team=team2.id and (id_home_team="+team_id+" or
    id_away_team="+team_id+" ) and team1.id_venue=venue.id and
    venue.zip_location=zip order by date_played) select * from match;
```

16.   with mytable as(select id_winning_team as id,count(*) as won from
    game where id_winning_team is not null group by id_winning_team)select
    id,name,won from mytable natural join team order by id;

17.   select t3.id,count(*) as played from team t1,game,team t2,team t3
    where (id_home_team=t1.id and id_away_team=t2.id and id_winning_team
    is not null) and (t3.id=id_away_team or t3.id=id_home_team) group by
    t3.id order by t3.id;

18.   with match(id,name,score,venue,city,date_played) as (select
    t.id,t.name,home_score as score,venue.name,city,date_played from team
    team1,game,team team2,venue,location,team t where
    id_home_team=team1.id and id_away_team=team2.id and id_home_team=t.id
    and team1.id_venue=venue.id and venue.zip_location=zip union select
    t.id,t.name,away_score as score,venue.name,city,date_played from team
    team1,game,team team2,venue,location,team t where
    id_home_team=team1.id and id_away_team=team2.id and id_away_team=t.id
    and team1.id_venue=venue.id and venue.zip_location=zip) select
    id,avg(score) as avg from match group by id order by id;

19.   SELECT TEAM.NAME AS T_NAME,VENUE.NAME AS V_NAME,FNAME,LNAME FROM
    TEAM,COACH,VENUE WHERE TEAM.ID_COACH=COACH.ID AND
    TEAM.ID_VENUE=VENUE.ID AND TEAM.ID = " + team_id;

20.   SELECT ID,FNAME,LNAME,POSITION FROM PLAYER WHERE ID IN(SELECT
    ID_PLAYER FROM PLAYERS_TEAMS WHERE ID_TEAM =" + team_id + ")"

21.   select g.id as game_id,t1.id home_id,t1.name as home_team,t2.id
    away_id,t2.name as away_team,venue.name as venue,city,date_played from
    team t1,game g,team t2,venue,location where t1.id=id_home_team and
    t2.id=id_away_team and t1.id_venue=venue.id and zip_location=zip and

```
        (t1.id="+team_id+" or t2.id="+team_id+")  and (date_played-sysdate)>=1
    order by date_played;
```

22.   select g.id as game_id,id_winning_team,t1.id home_id,t1.name as
    home_team,home_score ,t2.id away_id,t2.name as
    away_team,away_score,venue.name as venue,city,date_played from team
    t1,game g,team t2,venue,location where t1.id=id_home_team and
    t2.id=id_away_team and t1.id_venue=venue.id and zip_location=zip and
    (t1.id="+team_id+" or t2.id="+team_id+") and (date_played-sysdate)<0
    order by date_played desc;

DB CONNECTIVITY CODE

```java
String url="jdbc:aceql:http://"+"192.168.157.1"+":9090/ServerSqlManager";

AceQLDBManager.initialize(url, getString(R.string.username),
getString(R.string.password));


final OnPrepareStatements onPreparedStatementsListener = new
OnPrepareStatements() {


@Override

public PreparedStatement[] onGetPreparedStatementListener(BackendConnection
remoteConnection) {

    try {


    PreparedStatement[] preparedStatements = new
    PreparedStatement[queries.size()];


    for(int i=0;i<queries.size();i++)

    {

        //CallableStatement

        //Prepare it to an executable statement

        PreparedStatement preparedStatement =
    remoteConnection.prepareStatement(queries.get(i));

        preparedStatements[i] = preparedStatement;

    }


    return preparedStatements;

        } catch (SQLException e) {
```

```java
        //Log and display any error that occurs

        e.printStackTrace();

        return null;

            }

          }

              };


  //This listener tells the database manager what to do when we receive the
  result of the query execution

  //We will be using this listener when the execute button is clicked

final OnGetResultSetListener onGetResultSetListener = new
OnGetResultSetListener() {

@Override

public void onGetResultSets(ResultSet[] resultSets, SQLException e) {

      if (e != null) {

      //Log and display any error that occurs

      e.printStackTrace();

      } else if (resultSets.length > 0) {


          getFromResultSets(resultSets);


          } else {

//This should never happen but if it does,

//log and display it

Log.e("Result", "Received no result sets from query");

      }

} };

AceQLDBManager.executePreparedStatements(onPreparedStatementsListener,
onGetResultSetListener);
```

<u>REFERENCES</u>

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- www.youtube.com

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