**IS 314 Project Description**

**Database For the 2023 NBA IN-Season Tournament**

**Team Members**

|  |  |
| --- | --- |
| **Name** | **Email** |
| **Jason Ofosu-Mensah** | **Ofosumjj@clarkson.edu** |

**Project Brief:**

The National Basketball Association (NBA) has established what we know as the very first in-season tournament that could potentially change how we view sports today. It would potentially inspire much more competition in other sports leagues, growth in its fandom interest, and increase financial revenue and/or traction as a whole! This would very well set the baseline for the future of sports today.

**Databased Requirements**

The NBA’s operating database will keep track of the following entity requirements:

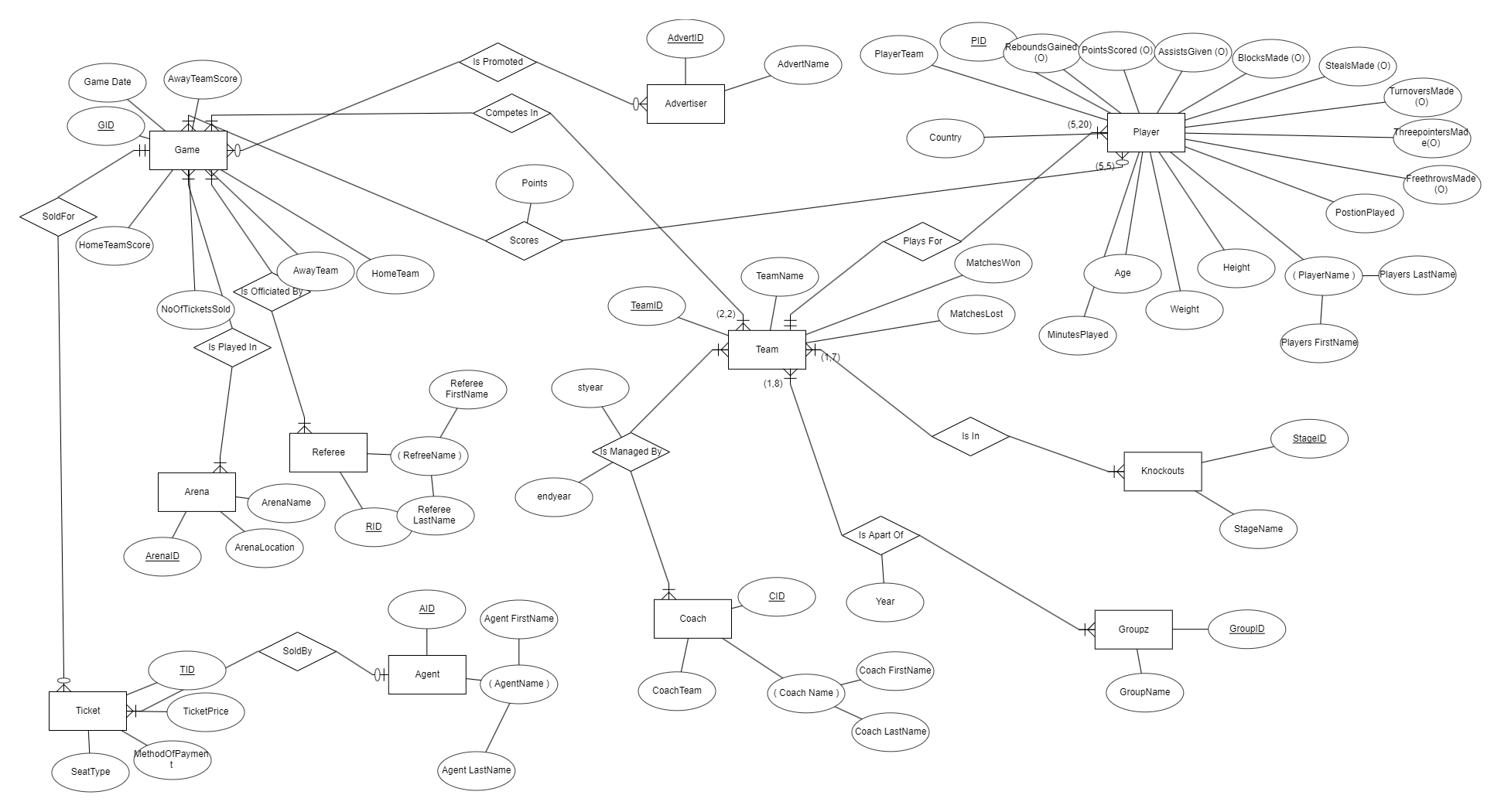
1. *For each game: unique gid, game date, number of tickets sold for each game, Home Team Score,Away Team Score;*
2. *For each advertiser: unique advertiser id, as well as advertiser name;*
3. *For each ticket: unique tid, ticket price, type of seats granted, payment method;*
4. *For each agent: unique aid, agent name composed of customer’s first and last name;*
5. *For each team: unique team id, team name, MatchesWon, MatchesLost;*
6. *For each Player: unique pid, player name (first and last name), team name, court position, Age, Height, Weight, Country, Minutes played, points scored, ReboundsGained,, AssistsGiven, BlocksMade, StealMade, TurnOversMade, ThreepointersMade,FreethrowsMade;*
7. *For each coach: unique cid, coach name (first name and last name), and team name;*
8. *For each arena: unique arena id, name of arena, and the name of arena location;*
9. *For each referee: unique referee id (rid) as well as referee name that consists of first and last name;*
10. *For each group(labeled as Groupz due to sql syntax issues): unique GroupID, and GroupName.*

The NBA’s operating database will keep track of these entity relationships:

1. *Each Ticket is sold for exactly one per game. A game can have many or no tickets sold for it at all.*
2. *Each Agent can sell many or no tickets at all. A Ticket is sold by one or no agent at all;*
3. *Each Game is promoted by many or no Advertisers at all. An Advertiser promotes many or no games at all, we keep track of the promotion fee;*
4. *Each coach manages exactly one team at a time. A team must be managed by exactly one coach at a time.*
5. *Each player can be on exactly one team at a time. A team must have between 5 to 20 players on it.*
6. *Each game must be played by 2 teams, and only 2. A team must play in exactly one match at a time, we keep track of points in each game.*
7. *For each game, many or no players at all can score points. A player can score many or no points at all per game. We track the points scored.*
8. *Each game is officiated by exactly one referee at a time. A referee officiates only one game at a time.*
9. *For each group, there are 5 teams within a group at a time. A team must be associated with exactly one group.*

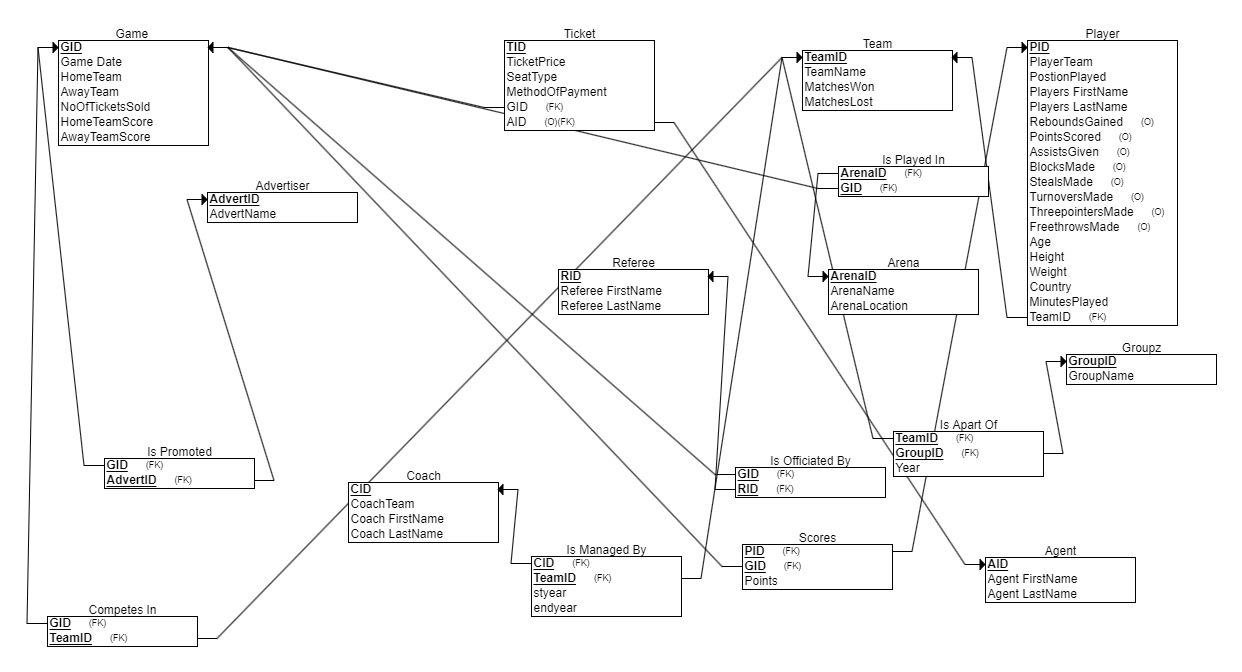
**Entity Relationship Diagram**

The first step in the creation of the database is an ERD model. The ERD model is based on the description shown above. The diagram is shown below:

****

**Relational Schema**

This section shows the relational schema with all the primary and foreign keys clearly specified.

****

**Database Schema with SQL**

This section shows the SQL used to create the database and tables. You may include part of DML that was used to populate the tables with data. You can make the data up for your database.

CREATE TABLE Game

(GID CHAR NOT NULL,

Game\_Date DATE NOT NULL,

HomeTeam VARCHAR (25) NOT NULL,

AwayTeam VARCHAR (25) NOT NULL,

NoOfTicketsSold INT NOT NULL,

HomeTeamScore INT NOT NULL,

AwayTeamScore INT NOT NULL,

PRIMARY KEY (GID));

CREATE TABLE Advertiser

(

AdvertID CHAR NOT NULL,

AdvertName VARCHAR (25) NOT NULL,

PRIMARY KEY (AdvertID)

);

CREATE TABLE Team

(

TeamID CHAR NOT NULL,

TeamName VARCHAR (25) NOT NULL,

MatchesWon INT NOT NULL,

MatchesLost INT NOT NULL,

PRIMARY KEY (TeamID)

);

CREATE TABLE Player

(

PID CHAR NOT NULL,

PlayerTeam VARCHAR (25) NOT NULL,

PostionPlayed VARCHAR (25) NOT NULL,

Players\_FirstName VARCHAR (25) NOT NULL,

Players\_LastName VARCHAR (25) NOT NULL,

ReboundsGained INT,

PointsScored INT,

AssistsGiven INT,

BlocksMade INT,

StealsMade INT,

TurnoversMade INT,

ThreepointersMade INT,

FreethrowsMade INT,

Age INT NOT NULL,

Height VARCHAR (25) NOT NULL,

Weight VARCHAR (25) NOT NULL,

Country VARCHAR (25) NOT NULL,

MinutesPlayed INT NOT NULL,

TeamID CHAR NOT NULL,

PRIMARY KEY (PID),

FOREIGN KEY (TeamID) REFERENCES Team(TeamID)

);

CREATE TABLE Coach

(

CID CHAR NOT NULL,

CoachTeam VARCHAR (25) NOT NULL,

Coach\_FirstName VARCHAR (25) NOT NULL,

Coach\_LastName VARCHAR (25) NOT NULL,

PRIMARY KEY (CID)

);

CREATE TABLE Referee

(

RID CHAR NOT NULL,

Referee\_FirstName VARCHAR (25) NOT NULL,

Referee\_LastName VARCHAR (25) NOT NULL,

PRIMARY KEY (RID)

);

CREATE TABLE Agent

(

AID CHAR NOT NULL,

Agent\_FirstName VARCHAR (25) NOT NULL,

Agent\_LastName VARCHAR (25) NOT NULL,

PRIMARY KEY (AID)

);

CREATE TABLE Arena

(

ArenaID CHAR NOT NULL,

ArenaName VARCHAR (25) NOT NULL,

ArenaLocation VARCHAR (25) NOT NULL,

PRIMARY KEY (ArenaID)

);

CREATE TABLE Groupz

(

GroupID CHAR NOT NULL,

GroupName VARCHAR (25) NOT NULL,

TeamName VARCHAR (25) NOT NULL,

PRIMARY KEY (GroupID)

);

CREATE TABLE Is\_Promoted

(

GID CHAR NOT NULL,

AdvertID CHAR NOT NULL,

PRIMARY KEY (GID, AdvertID),

FOREIGN KEY (GID) REFERENCES Game\_(GID),

FOREIGN KEY (AdvertID) REFERENCES Advertiser(AdvertID)

);

CREATE TABLE Is\_Managed\_By

(

styear INT NOT NULL,

endyear INT NOT NULL,

CID CHAR NOT NULL,

TeamID CHAR NOT NULL,

PRIMARY KEY (CID, TeamID),

FOREIGN KEY (CID) REFERENCES Coach(CID),

FOREIGN KEY (TeamID) REFERENCES Team(TeamID)

);

CREATE TABLE Is\_Officiated\_By

(

GID CHAR NOT NULL,

RID CHAR NOT NULL,

PRIMARY KEY (GID, RID),

FOREIGN KEY (GID) REFERENCES Game\_(GID),

FOREIGN KEY (RID) REFERENCES Referee(RID)

);

CREATE TABLE Is\_Played\_In

(

ArenaID CHAR NOT NULL,

GID CHAR NOT NULL,

PRIMARY KEY (ArenaID, GID),

FOREIGN KEY (ArenaID) REFERENCES Arena(ArenaID),

FOREIGN KEY (GID) REFERENCES Game\_(GID)

);

CREATE TABLE Is\_Apart\_Of

(

Year INT NOT NULL,

TeamID CHAR NOT NULL,

GroupID CHAR NOT NULL,

PRIMARY KEY (TeamID, GroupID),

FOREIGN KEY (TeamID) REFERENCES Team(TeamID),

FOREIGN KEY (GroupID) REFERENCES Groups(GroupID)

);

CREATE TABLE Competes\_In

(

GID CHAR NOT NULL,

TeamID CHAR NOT NULL,

PRIMARY KEY (GID, TeamID),

FOREIGN KEY (GID) REFERENCES Game\_(GID),

FOREIGN KEY (TeamID) REFERENCES Team(TeamID)

);

CREATE TABLE Scores

(

Points INT NOT NULL,

PID CHAR NOT NULL,

GID CHAR NOT NULL,

PRIMARY KEY (PID, GID),

FOREIGN KEY (PID) REFERENCES Player(PID),

FOREIGN KEY (GID) REFERENCES Game\_(GID)

);

CREATE TABLE Ticket

(

TID CHAR NOT NULL,

TicketPrice INT NOT NULL,

SeatType VARCHAR (25) NOT NULL,

MethodOfPayment VARCHAR (25) NOT NULL,

GID CHAR NOT NULL,

AID CHAR,

PRIMARY KEY (TID),

FOREIGN KEY (GID) REFERENCES Game(GID),

FOREIGN KEY (AID) REFERENCES Agent(AID));

Some Sample Data

INSERT INTO Arena VALUES ("A1", "FedExForum", "191 Beale St, Memphis, TN");

INSERT INTO Arena VALUES ("A2", "Footprint Center", "201 E Jefferson St, Phoenix, AZ");

INSERT INTO Arena VALUES ("A3", "Crypto.com Arena", "1111 S Figueroa St, Los Angeles, CA");

INSERT INTO Arena VALUES ("A4", "Delta Center", "301 S Temple, Salt Lake City, UT");

INSERT INTO Arena VALUES ("A5" ,"Moda Center", "1 N Center Ct St, Portland, OR");

INSERT INTO Arena VALUES ("A6", "Ball Arena", "1000 Chopper Cir, Denver, CO");

INSERT INTO Arena VALUES ("A7" ,"Crypto.com Arena", "1111 S Figueroa St, Los Angeles, CA");

INSERT INTO Arena VALUES ("A8", "Smoothie King Center", "1501 Dave Dixon Dr, New Orleans, LA");

INSERT INTO Arena VALUES ("A9", "American Airlines Center", "2500 Victory Ave, Dallas, TX");

INSERT INTO Arena VALUES ("A10", "Toyota Center", "1510 Polk St, Houston, TX");

INSERT INTO Arena VALUES ("A11", "Wells Fargo Center", "3601 S Broad St, Philadelphia, PA");

INSERT INTO Arena VALUES ("A12" ,"Rocket Mortgage FieldHouse", "1 Center Court, Cleveland, OH");

INSERT INTO Arena VALUES ("A13" ,"State Farm Arena", "1 State Farm Dr, Atlanta, GA");

INSERT INTO Arena VALUES ("A14" ,"Gainbridge Fieldhouse", "125 S Pennsylvania St, Indianapolis, IN");

INSERT INTO Arena VALUES ("A15" ,"Little Caesars Arena" ,"2645 Woodward Ave, Detroit, MI");

INSERT INTO Arena VALUES ("A16" ,"Fiserv Forum", "1111 Vel R. Phillips Ave, Milwaukee, WI");

INSERT INTO Arena VALUES ("A17" ,"Madison Square Garden", "4 Pennsylvania Plaza, New York, NY");

INSERT INTO Arena VALUES ("A18" ,"Capital One Arena", "601 F St NW, Washington, DC");

INSERT INTO Arena VALUES ("A19" ,"Kaseya Center", "601 Biscayne Blvd, Miami, FL");

INSERT INTO Arena VALUES ("A20", "Spectrum Center", " 333 E Trade St, Charlotte, NC");

INSERT INTO Arena VALUES ("A21" ,"Golden 1 Center", "500 David J Stern Walk, Sacramento, CA");

INSERT INTO Arena VALUES ("A22" ,"Chase Center", "1 Warriors Way, San Francisco, CA");

INSERT INTO Arena VALUES ("A23" ,"Target Center", "600 N 1st Ave, Minneapolis, MN");

INSERT INTO Arena VALUES ("A24", "Paycom Center", "100 W Reno Ave, Oklahoma City, OK");

INSERT INTO Arena VALUES ("A25", "Frost Bank Center", "1 AT&T Center Parkway, San Antonio, TX");

INSERT INTO Arena VALUES ("A26", "TD Garden", "100 Legends Way, Boston, MA");

INSERT INTO Arena VALUES ("A27", "Barclays Center" ,"620 Atlantic Ave, Brooklyn, NY");

INSERT INTO Arena VALUES ("A28", "Scotiabank Arena", "40 Bay St., Toronto, ON M5J 2X2, Canada");

INSERT INTO Arena VALUES ("A29", "United Center", "1901 W Madison St, Chicago, IL");

INSERT INTO Arena VALUES ("A30", "Amway Center", "400 W Church St, Orlando, FL");

---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

INSERT INTO Advertiser VALUES ("AD1","State Farm");

INSERT INTO Advertiser VALUES ("AD2","Pepsico");

INSERT INTO Advertiser VALUES ("AD3","Kia Motors");

INSERT INTO Advertiser VALUES ("AD4","Adidas");

INSERT INTO Advertiser VALUES ("AD5","Sony");

INSERT INTO Advertiser VALUES ("AD6","Apple");

INSERT INTO Advertiser VALUES ("AD7","DraftKings");

INSERT INTO Advertiser VALUES ("AD8","Papa Johns");

INSERT INTO Advertiser VALUES ("AD9","Chase Bank");

INSERT INTO Advertiser VALUES ("AD10","Nike");

---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

INSERT INTO Referee VALUES ("R1","Ray", "Acosta");

INSERT INTO Referee VALUES ("R2","Brandon", "Adair");

INSERT INTO Referee VALUES ("R3","Bennie", "Adams");

INSERT INTO Referee VALUES ("R4","Brent", "Barnaky");

INSERT INTO Referee VALUES ("R5","Curtis", "Blair");

INSERT INTO Referee VALUES ("R6","Matt", "Blond");

INSERT INTO Referee VALUES ("R7","Tony", "Brothers");

INSERT INTO Referee VALUES ("R8","Nick", "Buch");

INSERT INTO Referee VALUES ("R9","John", "Batts");

INSERT INTO Referee VALUES ("R10","RJ", "Capes");

INSERT INTO Referee VALUES ("R11","Derrick", "Collins");

INSERT INTO Referee VALUES ("R12","Kevin", "Cut");

INSERT INTO Referee VALUES ("R13","Mousa", "Dagher");

INSERT INTO Referee VALUES ("R14","Eric", "Dales");

INSERT INTO Referee VALUES ("R15","Marc", "Davis");

INSERT INTO Referee VALUES ("R16","JB", "Derosen");

INSERT INTO Referee VALUES ("R17","Mitchell", "Ervin");

INSERT INTO Referee VALUES ("R18","Che", "Flores");

INSERT INTO Referee VALUES ("R19","Scott", "Foster");

INSERT INTO Referee VALUES ("R20","Ashely", "Moyer-Gleich");

---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#GID Game\_Date HomeTeam AwayTeam NoOfTicketsSold HomeTeamScore AwayTeamScore

INSERT INTO Game\_ VALUES ("GA1","2023-11-03", "Indiana Pacers", "Cleveland Cavaliers", "10000","121","116");

INSERT INTO Game\_ VALUES ("GA2","2023-11-03", "Milwaukee Bucks", "New York Knicks", "12000","110","105");

INSERT INTO Game\_ VALUES ("GA3","2023-11-03", "Oklahoma City Thunders", "Golden State Warriors", "20000","139","141");

INSERT INTO Game\_ VALUES ("GA4","2023-11-03", "Chicago Bulls","Brooklyn Nets", "15000","107","109");

INSERT INTO Game\_ VALUES ("GA5","2023-11-03", "Portland Trail Blazers","Memphis Grizzlies", "15000","115","113");

INSERT INTO Game\_ VALUES ("GA6","2023-11-03", "Denver Nuggets","Dallas Mavericks", "12000","125","114");

INSERT INTO Game\_ VALUES ("GA7","2023-11-03", "Detroit Pistons","Philadelphia 76ers", "14000","106","114");

INSERT INTO Game\_ VALUES ("GB1","2023-11-10", "Detroit Pistons","Philadelphia 76ers", "12000","106","114");

INSERT INTO Game\_ VALUES ("GB2","2023-11-10", "Washington Wizards","Charlotte Hornets", "12000","117","124");

INSERT INTO Game\_ VALUES ("GB3","2023-11-10", "Boston Celtics","Brooklyn Nets", "12000","121","107");

INSERT INTO Game\_ VALUES ("GB4","2023-11-10", "Houston Rockets","New Orleans Pelicans", "12000","104","101");

INSERT INTO Game\_ VALUES ("GB5","2023-11-10", "San Antonio Spurs", "Minnesota Timberwolves", "13000","110","117");

INSERT INTO Game\_ VALUES ("GB6","2023-11-10", "Memphis Grizzlies","Utah Jazz", "12000","121","127");

INSERT INTO Game\_ VALUES ("GB7","2023-11-10", "Dallas Mavericks","Los Angeles Clippers", "12000","144","126");

INSERT INTO Game\_ VALUES ("GB8","2023-11-10", "Sacramento Kings","Oklahoma City Thunders", "12000","105","98");

INSERT INTO Game\_ VALUES ("GB9","2023-11-10", "Phoenix Suns","Los Angeles Lakers", "14000","119","122");

INSERT INTO Game\_ VALUES ("GC1","2023-11-14", "Detroit Pistons", "Atlanta Hawks", "13000","120","126");

INSERT INTO Game\_ VALUES ("GC2","2023-11-14", "Charlotte Hornets","Miami Heat", "12000","105","111");

INSERT INTO Game\_ VALUES ("GC3","2023-11-14", "Philadelphia 76ers","Indiana Pacers", "13000","126","132");

INSERT INTO Game\_ VALUES ("GC4","2023-11-14", "Oklahoma City Thunders","San Antonio Spurs", "13000","123","87");

INSERT INTO Game\_ VALUES ("GC5","2023-11-14", "Brooklyn Nets","Orlando Magic", "13000","124","104");

INSERT INTO Game\_ VALUES ("GC6","2023-11-14", "New Orleans Pelicans","Dallas Mavericks", "15000","131","110");

INSERT INTO Game\_ VALUES ("GC7","2023-11-14", "Utah Jazz","Portland Trail Blazers", "10000","115","99");

INSERT INTO Game\_ VALUES ("GC8","2023-11-14", "Minnesota Timberwolves", "Golden State Warriors", "13000","104","101");

INSERT INTO Game\_ VALUES ("GC9","2023-11-14", "Denver Nuggets", "Los Angeles Clippers", "12000","111","108");

INSERT INTO Game\_ VALUES ("GC10","2023-11-14", "Los Angeles Lakers", "Memphis Grizzlies", "14000","134","107");

INSERT INTO Game\_ VALUES ("GD1","2023-11-17", "Charlotte Hornets","Milwaukee Bucks", "14000","99","130");

INSERT INTO Game\_ VALUES ("GD2","2023-11-17", "Washington Wizards","New York Knicks", "12000","99","120");

INSERT INTO Game\_ VALUES ("GD3","2023-11-17", "San Antonio Spurs","Sacramento Kings", "14000","120","129");

INSERT INTO Game\_ VALUES ("GD4","2023-11-17", "Atlanta Hawks", "Philadelphia 76ers", "13000","116","126");

INSERT INTO Game\_ VALUES ("GD5","2023-11-17", "Boston Celtics","Toronto Raptors", "12000","105","108");

INSERT INTO Game\_ VALUES ("GD6","2023-11-17", "Cleveland Cavaliers", "Detroit Pistons", "12000","108","100");

INSERT INTO Game\_ VALUES ("GD7","2023-11-17", "New Orleans Pelicans","Denver Nuggets", "11000","115","100");

INSERT INTO Game\_ VALUES ("GD8","2023-11-17", "Chicago Bulls","Orlando Magic", "12000","99","120");

INSERT INTO Game\_ VALUES ("GD9","2023-11-17", "Portland Trail Blazers","Los Angeles Lakers", "12000","99","120");

INSERT INTO Game\_ VALUES ("GD10","2023-11-17", "Utah Jazz", "Phoenix Suns", "14000","95","122");

INSERT INTO Game\_ VALUES ("GD11","2023-11-17", "Los Angeles Clippers","Houston Rockets", "15000","106","100");

INSERT INTO Game\_ VALUES ("GE1","2023-11-17", "Orlando Magic","Toronto Raptors", "14000","126","107");

INSERT INTO Game\_ VALUES ("GE2","2023-11-17", "Philadelphia 76ers","Cleveland Cavaliers", "14000","120","122");

INSERT INTO Game\_ VALUES ("GE3","2023-11-17", "Atlanta Hawks","Indiana Pacers", "14000","152","157");

INSERT INTO Game\_ VALUES ("GE4","2023-11-17", "Phoenix Suns","Portland Trail Blazers", "14000","120","157");

INSERT INTO Game\_ VALUES ("GE5","2023-11-17", "Los Angeles Lakers","Utah Jazz", "14000","141","99");

INSERT INTO Game\_ VALUES ("GF1","2023-11-24", "Orlando Magic","Boston Celtics", "14000","113","96");

INSERT INTO Game\_ VALUES ("GF2","2023-11-24", "Memphis Grizzlies","Phoenix Suns", "14000","89","110");

INSERT INTO Game\_ VALUES ("GF3","2023-11-24", "New York Knicks", "Miami Heat", "14000","100","96");

INSERT INTO Game\_ VALUES ("GF4","2023-11-24", "Toronto Raptors","Chicago Bulls", "14000","121","108");

INSERT INTO Game\_ VALUES ("GF5","2023-11-24", "Minnesota Timberwolves","Sacramento Kings", "14000","111","124");

INSERT INTO Game\_ VALUES ("GF6","2023-11-24", "Houston Rockets","Denver Nuggets", "14000","105","96");

INSERT INTO Game\_ VALUES ("GF7","2023-11-24", "Milwaukee Bucks","Washington Wizards", "14000","131","128");

INSERT INTO Game\_ VALUES ("GF8","2023-11-24", "Indiana Pacers","Detroit Pistons", "14000","136","113");

INSERT INTO Game\_ VALUES ("GF9","2023-11-24", "Golden State Warriors","San Antonio Spurs", "14000","118","112");

INSERT INTO Game\_ VALUES ("GF10","2023-11-24", "Los Angeles Clippers", "New Orleans Pelicans", "14000","106","116");

INSERT INTO Game\_ VALUES ("GG1","2023-11-28", "Miami Heat","Milwaukee Bucks", "16000","124","141");

INSERT INTO Game\_ VALUES ("GG2","2023-11-28", "Cleveland Cavaliers","Atlanta Hawks", "13000","128","105");

INSERT INTO Game\_ VALUES ("GG3","2023-11-28", "Brooklyn Nets", "Toronto Raptors", "14000","115","103");

INSERT INTO Game\_ VALUES ("GG4","2023-11-28", "Boston Celtics","Chicago Bulls", "14000","97","124");

INSERT INTO Game\_ VALUES ("GG5","2023-11-28", "New York Knicks", "Charlotte Hornets", "15000","115","91");

INSERT INTO Game\_ VALUES ("GG6","2023-11-28", "Minnesota Timberwolves", "Oklahoma City Thunders", "14000","106","103");

INSERT INTO Game\_ VALUES ("GG7","2023-11-28", "Dallas Mavericks", "Houston Rockets", "17000","121","115");

INSERT INTO Game\_ VALUES ("GG8","2023-11-28", "Sacramento Kings","Golden State Warriors", "17000","124","123");

---------------------------------------------------------------------------------------------------------------------------------------------------------------

# TeamID TeamName MatchesWon MatchesLost

INSERT INTO Team VALUES ("T1","Memphis Grizzlies","0","4");

INSERT INTO Team VALUES ("T2","Phoenix Suns

","3","1");

INSERT INTO Team VALUES ("T3","Los Angeles Lakers","4","0");

INSERT INTO Team VALUES ("T4","Utah Jazz

","2","2");

INSERT INTO Team VALUES ("T5","Portland Trail Blazers

","1","3");

INSERT INTO Team VALUES ("T6","Denver Nuggets

","2","2");

INSERT INTO Team VALUES ("T7","Los Angeles Clippers

","1","3");

INSERT INTO Team VALUES ("T8","New Orleans Pelicans

","3","1");

INSERT INTO Team VALUES ("T9","Dallas Mavericks

","2","2");

INSERT INTO Team VALUES ("T10","Houston Rockets

","2","2");

INSERT INTO Team VALUES ("T11","Philadelphia 76ers

","2","2");

INSERT INTO Team VALUES ("T12","Cleveland Cavaliers

","3","1");

INSERT INTO Team VALUES ("T13","Atlanta Hawks

s","1","3");

INSERT INTO Team VALUES ("T14","Indiana Pacers

","4","0");

INSERT INTO Team VALUES ("T15","Detroit Pistons

","0","4");

INSERT INTO Team VALUES ("T16","Milwaukee Bucks

","4","0");

INSERT INTO Team VALUES ("T17","New York Knicks

","3","1");

INSERT INTO Team VALUES ("T18","Washington Wizards

","0","4");

INSERT INTO Team VALUES ("T19","Miami Heat

","2","2");

INSERT INTO Team VALUES ("T20","Charlotte Hornets

","1","3");

INSERT INTO Team VALUES ("T21","Sacramento Kings

","4","0");

INSERT INTO Team VALUES ("T22","Golden State Warriors

","2","2");

INSERT INTO Team VALUES ("T23","Minnesota Timberwolves

","3","1");

INSERT INTO Team VALUES ("T24","Oklahoma City Thunders

","2","2");

INSERT INTO Team VALUES ("T25","San Antonio Spurs

","0","4");

INSERT INTO Team VALUES ("T26","Boston Celtics

","3","1");

INSERT INTO Team VALUES ("T27","Brooklyn Nets

","3","1");

INSERT INTO Team VALUES ("T28","Toronto Raptors

","1","3");

INSERT INTO Team VALUES ("T29","Chicago Bulls

","0","4");

INSERT INTO Team VALUES ("T30","Orlando Magic

","3","1");

--------------------------------------------------------------------------------------------

INSERT INTO Agent VALUES ("AID1","Don","Richardson");

INSERT INTO Agent VALUES ("AID2","Don","callis");

INSERT INTO Agent VALUES ("AID3","Bob","Squarepantson");

INSERT INTO Agent VALUES ("AID4","Dave","Meltzer");

INSERT INTO Agent VALUES ("AID5","Eric","Daneils");

INSERT INTO Agent VALUES ("AID6","Gorge","Harper");

INSERT INTO Agent VALUES ("AID7","Victor","Von");

INSERT INTO Agent VALUES ("AID8","Viktor","Doom");

INSERT INTO Agent VALUES ("AID9","Cassius","Oneal");

INSERT INTO Agent VALUES ("AID10","Frank","West");

INSERT INTO Agent VALUES ("AD", "Don","Richardson");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Groupz VALUES ("GW1","West 1");

INSERT INTO Groupz VALUES ("GW2","West 2");

INSERT INTO Groupz VALUES ("GW3","West 3");

INSERT INTO Groupz VALUES ("GW4","West 4");

INSERT INTO Groupz VALUES ("GE1","East 1");

INSERT INTO Groupz VALUES ("GE2","East 2");

INSERT INTO Groupz VALUES ("GE3","East 3");

INSERT INTO Groupz VALUES ("GE4","East 4");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Coach VALUES ("C1","Memphis Grizzlies","Taylor","Jenkins");

INSERT INTO Coach VALUES ("C2","Phoenix Suns

","Frank","Vogel");

INSERT INTO Coach VALUES ("C3", "Los Angeles Lakers", "Darvin", "Ham");

INSERT INTO Coach VALUES ("C4", "Utah Jazz", "Will" , "Hardy");

INSERT INTO Coach VALUES ("C5","Portland Trail Blazers", "Chauncey", "Billups");

INSERT INTO Coach VALUES ("C6", "Denver Nuggets","Michael", "Malone");

INSERT INTO Coach VALUES ("C7", "Los Angeles Clippers", "Tyronn", "Lou");

INSERT INTO Coach VALUES ("C8", "New Orleans Pelicans", "Willie", "Green");

INSERT INTO Coach VALUES ("C9", "Dallas Mavericks", "Jason", "Kidd");

INSERT INTO Coach VALUES ("C10", "Houston Rockets", "Ime", "Udoka");

INSERT INTO Coach VALUES ("C11", "Philadelphia 76ers","Nick","Nurse");

INSERT INTO Coach VALUES ("C12", "Cleveland Cavaliers", "J.B" ,"Bickerstaff");

INSERT INTO Coach VALUES ("C13", "Atlanta Hawks", "Quin", "Snyder");

INSERT INTO Coach VALUES ("C14", "Indiana Pacers", "Rick", "Carlisle");

INSERT INTO Coach VALUES ("C15", "Detroit Pistons", "Monty", "Williams");

INSERT INTO Coach VALUES ("C16", "Milwaukee Bucks", "Adrian", "Griffin");

INSERT INTO Coach VALUES ("C17", "New York Knicks", "Tom", "Thibodeau");

INSERT INTO Coach VALUES ("C18", "Washington Wizards", "Wes", "Unseld Jr");

INSERT INTO Coach VALUES ("C19", "Miami Heat", "Erik", "Spoelstra");

INSERT INTO Coach VALUES ("C20", "Charlotte Hornets", "Steve", "Clifford");

INSERT INTO Coach VALUES ("C21", "Sacramento Kings", "Mike", "Brown");

INSERT INTO Coach VALUES ("C22", "Golden State Warriors", "Steve", "Kerr");

INSERT INTO Coach VALUES ("C23", "Minnesota Timberwolves", "Chris", "Finch");

INSERT INTO Coach VALUES ("C24", "Oklahoma City Thunders", "Mark", "Daigneault");

INSERT INTO Coach VALUES ("C25", "San Antonio Spurs", "Gregg", "Popovich");

INSERT INTO Coach VALUES ("C26", "Boston Celtics", "Joe", "Mazzulla");

INSERT INTO Coach VALUES ("C27", "Brooklyn Nets", "Jacque", "Vaughn");

INSERT INTO Coach VALUES ("C28" ,"Toronto Raptors","Darko", "Rajaković");

INSERT INTO Coach VALUES ("C29", "Chicago Bulls", "Billy", "Donovan");

INSERT INTO Coach VALUES ("C30", "Orlando Magic", "Jamahl", "Mosley");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Player VALUES ("PA1", "Memphis Grizzlies", "F","Kenny", "Lofton Jr.", "20", "60", "24", "50", "23", "70", "12", "2", "21", "6'6","175lb","USA","20","T1");

INSERT INTO Player VALUES ("PA2", "Memphis Grizzlies", "G","Marcus", "Smart", "30", "40", "54", "78", "29", "40", "47", "8", "32", "6'2","205lb","USA","40","T1");

INSERT INTO Player VALUES ("PA3", "Memphis Grizzlies", "FG","Derick", "Rose", "40", "80", "44", "78", "90", "80", "40", "10", "34", "6'2","125lb","USA","40","T1");

INSERT INTO Player VALUES ("PA4", "Memphis Grizzlies", "F","Desmond", "Bane", "28", "60", "24", "50", "3", "40", "24", "20", "30", "6'3","200lb","USA","50","T1");

INSERT INTO Player VALUES ("PA5", "Memphis Grizzlies", "PG","GG", "Jackson", "25", "60", "44", "70", "21", "80", "32", "24", "15", "6'8","300lb","Barbados","25","T1");

INSERT INTO Player VALUES ("PA6", "Memphis Grizzlies", "GF","Luke", "Kennard", "50", "20", "40", "20", "50", "80", "90", "70", "27", "6'4","205lb","Spain","30","T1");

INSERT INTO Player VALUES ("PA7", "Memphis Grizzlies", "C","Santi", "Aldama", "40", "50", "47", "80", "11", "70", "12", "2", "25", "6'1","225lb","Mali","35","T1");

INSERT INTO Player VALUES ("PB1", "Phoenix Suns", "F","Bradely", "Beal", "40", "50", "64", "70", "63", "70", "94", "45", "35", "6'4","185lb","USA","40","T2");

INSERT INTO Player VALUES ("PB2", "Phoenix Suns", "PG","Devin", "Booker", "60", "100", "74", "80", "73", "80", "94", "45", "28", "6'4","185lb","USA","125","T2");

INSERT INTO Player VALUES ("PB3", "Phoenix Suns", "G","Kevin", "Durant", "40", "150", "64", "70", "63", "80", "94", "45", "36", "6'9","175lb","USA","120","T2");

INSERT INTO Player VALUES ("PB4", "Phoenix Suns", "C","Jusuf", "Nurkic", "20", "50", "24", "40", "63", "30", "24", "25", "26", "7'2","175lb","Serbia","120","T2");

INSERT INTO Player VALUES ("PB5", "Phoenix Suns", "GF","Nassir", "Little", "10", "10", "14", "10", "13", "70", "14", "15", "26", "6'4","185lb","USA","60","T2");

INSERT INTO Player VALUES ("PB6", "Phoenix Suns", "FG","Eric", "Gordon", "5", "25", "14", "10", "13", "10", "14", "15", "23", "6'4","175lb","USA","60","T2");

INSERT INTO Player VALUES ("PB7", "Phoenix Suns", "C","Josh", "Okogie", "20", "10", "14", "30", "23", "80", "14", "25", "27", "6'4","175lb","Nigeria","50","T2");

INSERT INTO Player VALUES ("PC1", "Los Angeles Lakers", "F","Lebron", "James", "150", "60", "64", "70", "63", "70", "94", "45", "37", "6'7","225lb","USA","140","T3");

INSERT INTO Player VALUES ("PC2", "Los Angeles Lakers", "G","Rui", "Hachimura", "150", "60", "64", "70", "63", "70", "94", "45", "28", "6'4","235lb","Japan","140","T3");

INSERT INTO Player VALUES ("PC3", "Los Angeles Lakers", "FG","Jarred", "Vanderbilt", "40", "60", "64", "70", "63", "70", "94", "45", "27", "6'4","185lb","USA","140","T3");

INSERT INTO Player VALUES ("PC4", "Los Angeles Lakers", "GF","Austin", "Reeves", "150", "60", "64", "70", "63", "70", "94", "45", "27", "6'4","185lb","USA","140","T3");

INSERT INTO Player VALUES ("PC5", "Los Angeles Lakers", "F","Anthony", "Davis", "110", "60", "64", "70", "63", "70", "94", "45", "30", "6'8","200lb","USA","140","T3");

INSERT INTO Player VALUES ("PC6", "Los Angeles Lakers", "FG","Cam", "Reddish", "50", "60", "61", "40", "33", "20", "24", "48", "32", "6'4","185lb","USA","140","T3");

INSERT INTO Player VALUES ("PC7", "Los Angeles Lakers", "PG","D'angelo", "Russel", "60", "60", "64", "70", "33", "20", "24", "25", "27", "6'0","185lb","USA","100","T3");

INSERT INTO Player VALUES ("PD1", "Utah Jazz", "F","Collin", "Sexton", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T4");

INSERT INTO Player VALUES ("PD2", "Utah Jazz", "F","Kris", "Dunn", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","USA","100","T4");

INSERT INTO Player VALUES ("PD3", "Utah Jazz", "F","Kelly", "Ojenki", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","Canada","100","T4");

INSERT INTO Player VALUES ("PD4", "Utah Jazz", "F","Keyonte", "George", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","USA","100","T4");

INSERT INTO Player VALUES ("PD5", "Utah Jazz", "F","Dan", "Boy", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","USA","100","T4");

INSERT INTO Player VALUES ("PD6", "Utah Jazz", "F","Joe", "Bush", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","Mexico","100","T4");

INSERT INTO Player VALUES ("PD7", "Utah Jazz", "F","Jordan", "Clarkson", "40", "20", "10", "20", "10", "10", "10", "10", "20", "5'7","225lb","USA","100","T4");

INSERT INTO Player VALUES ("PE1", "Portland Trail Blazers", "G","Joe", "Smith", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE2", "Portland Trail Blazers", "G","Devonte", "Aldis", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE3", "Portland Trail Blazers", "G","Deontrey", "Miller", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE4", "Portland Trail Blazers", "G","Kirk", "Brothers", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE5", "Portland Trail Blazers", "G","Guy", "Mavins", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE6", "Portland Trail Blazers", "G","Jon", "Glass", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PE7", "Portland Trail Blazers", "G","Tony", "Smith", "40", "20", "10", "20", "10", "10", "10", "10", "24", "5'7","225lb","USA","100","T5");

INSERT INTO Player VALUES ("PF1", "Denver Nuggets", "SF","Nikola", "Jokic", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF2", "Denver Nuggets", "SF","Micheal", "Porter", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF3", "Denver Nuggets", "SF","Jamal", "Murray", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF4", "Denver Nuggets", "SF","Santa", "A", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF5", "Denver Nuggets", "SF","Santa", "B", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF6", "Denver Nuggets", "SF","Santa", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PF7", "Denver Nuggets", "SF","Santa", "C", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T6");

INSERT INTO Player VALUES ("PG1", "Los Angeles Clippers", "SF","Santa", "D", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T7");

INSERT INTO Player VALUES ("PG2", "Los Angeles Clippers", "SF","Santa", "E", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T7");

INSERT INTO Player VALUES ("PG3", "Los Angeles Clippers", "SF","Santa", "F", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T7");

INSERT INTO Player VALUES ("PG4", "Los Angeles Clippers", "SF","Santa", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T7");

INSERT INTO Player VALUES ("PG5", "Los Angeles Clippers", "SF","Santa", "H", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T7");

INSERT INTO Player VALUES ("PH1", "New Orleans Pelicans", "SF","Santa", "I", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T8");

INSERT INTO Player VALUES ("PH2", "New Orleans Pelicans", "SF","Santa", "J", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T8");

INSERT INTO Player VALUES ("PH3", "New Orleans Pelicans", "SF","Santa", "K", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T8");

INSERT INTO Player VALUES ("PH4", "New Orleans Pelicans", "SF","Santa", "L", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T8");

INSERT INTO Player VALUES ("PH5", "New Orleans Pelicans", "SF","Santa", "M", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T8");

INSERT INTO Player VALUES ("PI1", "Dallas Mavericks", "SF","Santa", "N", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T9");

INSERT INTO Player VALUES ("PI2", "Dallas Mavericks", "SF","Santa", "O", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T9");

INSERT INTO Player VALUES ("PI3", "Dallas Mavericks", "SF","Santa", "P", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T9");

INSERT INTO Player VALUES ("PI4", "Dallas Mavericks", "SF","Santa", "Q", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T9");

INSERT INTO Player VALUES ("PI5", "Dallas Mavericks", "SF","Santa", "R", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T9");

INSERT INTO Player VALUES ("PJ1", "Houston Rockets", "SF","Santa", "V", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T10");

INSERT INTO Player VALUES ("PJ2", "Houston Rockets", "SF","Santa", "W", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T10");

INSERT INTO Player VALUES ("PJ3", "Houston Rockets", "SF","Santa", "X", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T10");

INSERT INTO Player VALUES ("PJ4", "Houston Rockets", "SF","Santa", "Y", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T10");

INSERT INTO Player VALUES ("PJ5", "Houston Rockets", "SF","Santa", "Z", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T10");

INSERT INTO Player VALUES ("PK1", "Philadelphia 76ers", "SF","John", "A", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T11");

INSERT INTO Player VALUES ("PK2", "Philadelphia 76ers", "SF","John", "B", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T11");

INSERT INTO Player VALUES ("PK3", "Philadelphia 76ers", "SF","John", "C", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T11");

INSERT INTO Player VALUES ("PK4", "Philadelphia 76ers", "SF","John", "D", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T11");

INSERT INTO Player VALUES ("PK5", "Philadelphia 76ers", "SF","John", "E", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T11");

INSERT INTO Player VALUES ("PL1", "Cleveland Cavaliers", "SF","John", "F", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T12");

INSERT INTO Player VALUES ("PL2", "Cleveland Cavaliers", "SF","John", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T12");

INSERT INTO Player VALUES ("PL3", "Cleveland Cavaliers", "SF","John", "H", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T12");

INSERT INTO Player VALUES ("PL4", "Cleveland Cavaliers", "SF","John", "I", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T12");

INSERT INTO Player VALUES ("PL5", "Cleveland Cavaliers", "SF","John", "J", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T12");

INSERT INTO Player VALUES ("PM1", "Atlanta Hawks", "SF","John", "K", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T13");

INSERT INTO Player VALUES ("PM2", "Atlanta Hawks", "SF","John", "L", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T13");

INSERT INTO Player VALUES ("PM3", "Atlanta Hawks", "SF","John", "M", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T13");

INSERT INTO Player VALUES ("PM4", "Atlanta Hawks", "SF","John", "N", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T13");

INSERT INTO Player VALUES ("PM5", "Atlanta Hawks", "SF","John", "O", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T13");

INSERT INTO Player VALUES ("PN1", "Indiana Pacers", "SF","John", "P", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T14");

INSERT INTO Player VALUES ("PN2", "Indiana Pacers", "SF","John", "Q", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T14");

INSERT INTO Player VALUES ("PN3", "Indiana Pacers", "SF","John", "R", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T14");

INSERT INTO Player VALUES ("PN4", "Indiana Pacers", "SF","John", "S", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T14");

INSERT INTO Player VALUES ("PN5", "Indiana Pacers", "SF","John", "T", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T14");

INSERT INTO Player VALUES ("PO1", "Detroit Pistons", "SF","John", "U", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T15");

INSERT INTO Player VALUES ("PO2", "Detroit Pistons", "SF","John", "V", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T15");

INSERT INTO Player VALUES ("PO3", "Detroit Pistons", "SF","John", "W", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T15");

INSERT INTO Player VALUES ("PO4", "Detroit Pistons", "SF","John", "X", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T15");

INSERT INTO Player VALUES ("PO5", "Detroit Pistons", "SF","John", "Y", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T15");

INSERT INTO Player VALUES ("PP1", "Milawaukee Bucks", "SF","Dave", "A", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T16");

INSERT INTO Player VALUES ("PP2", "Milawaukee Bucks", "SF","Dave", "B", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T16");

INSERT INTO Player VALUES ("PP3", "Milawaukee Bucks", "SF","Dave", "C", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T16");

INSERT INTO Player VALUES ("PP4", "Milawaukee Bucks", "SF","Dave", "D", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T16");

INSERT INTO Player VALUES ("PP5", "Milawaukee Bucks", "SF","Dave", "E", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T16");

INSERT INTO Player VALUES ("PQ1", "NYK", "SF","Dave", "F", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T17");

INSERT INTO Player VALUES ("PQ2", "NYK", "SF","Dave", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T17");

INSERT INTO Player VALUES ("PQ3", "NYK", "SF","Dave", "H", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T17");

INSERT INTO Player VALUES ("PQ4", "NYK", "SF","Dave", "I", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T17");

INSERT INTO Player VALUES ("PQ5", "NYK", "SF","Dave", "J", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T17");

INSERT INTO Player VALUES ("PR1", "WW", "SF","Dave", "K", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T18");

INSERT INTO Player VALUES ("PR2", "WW", "SF","Dave", "L", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T18");

INSERT INTO Player VALUES ("PR3", "WW", "SF","Dave", "M", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T18");

INSERT INTO Player VALUES ("PR4", "WW", "SF","Dave", "N", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T18");

INSERT INTO Player VALUES ("PR5", "WW", "SF","Dave", "O", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T18");

INSERT INTO Player VALUES ("PS1", "MH", "SF","Dave", "P", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T19");

INSERT INTO Player VALUES ("PS2", "MH", "SF","Dave", "Q", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T19");

INSERT INTO Player VALUES ("PS3", "MH", "SF","Dave", "R", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T19");

INSERT INTO Player VALUES ("PS4", "MH", "SF","Dave", "S", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T19");

INSERT INTO Player VALUES ("PS5", "MH", "SF","Dave", "T", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T19");

INSERT INTO Player VALUES ("PT1", "CH", "SF","Dave", "U", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T20");

INSERT INTO Player VALUES ("PT2", "CH", "SF","Dave", "V", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T20");

INSERT INTO Player VALUES ("PT3", "CH", "SF","Dave", "W", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T20");

INSERT INTO Player VALUES ("PT4", "CH", "SF","Dave", "X", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T20");

INSERT INTO Player VALUES ("PT5", "CH", "SF","Dave", "Y", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T20");

INSERT INTO Player VALUES ("PU1", "SK", "SF","Alex", "A", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T21");

INSERT INTO Player VALUES ("PU2", "SK", "SF","Alex", "B", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T21");

INSERT INTO Player VALUES ("PU3", "SK", "SF","Alex", "C", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T21");

INSERT INTO Player VALUES ("PU4", "SK", "SF","Alex", "D", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T21");

INSERT INTO Player VALUES ("PU5", "SK", "SF","Alex", "E", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T21");

INSERT INTO Player VALUES ("PV1", "GSW", "SF","Alex", "F", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T22");

INSERT INTO Player VALUES ("PV2", "GSW", "SF","Alex", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T22");

INSERT INTO Player VALUES ("PV3", "GSW", "SF","Alex", "H", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T22");

INSERT INTO Player VALUES ("PV4", "GSW", "SF","Alex", "I", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T22");

INSERT INTO Player VALUES ("PV5", "GSW", "SF","Alex", "J", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T22");

INSERT INTO Player VALUES ("PW1", "MT", "SF","Alex", "K", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T23");

INSERT INTO Player VALUES ("PW2", "MT", "SF","Alex", "L", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T23");

INSERT INTO Player VALUES ("PW3", "MT", "SF","Alex", "M", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T23");

INSERT INTO Player VALUES ("PW4", "MT", "SF","Alex", "N", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T23");

INSERT INTO Player VALUES ("PW5", "MT", "SF","Alex", "O", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T23");

INSERT INTO Player VALUES ("PX1", "OKC", "SF","Alex", "P", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T24");

INSERT INTO Player VALUES ("PX2", "OKC", "SF","Alex", "Q", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T24");

INSERT INTO Player VALUES ("PX3", "OKC", "SF","Alex", "R", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T24");

INSERT INTO Player VALUES ("PX4", "OKC", "SF","Alex", "S", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T24");

INSERT INTO Player VALUES ("PX5", "OKC", "SF","Alex", "T", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T24");

INSERT INTO Player VALUES ("PY1", "SAS", "SF","Alex", "U", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T25");

INSERT INTO Player VALUES ("PY2", "SAS", "SF","Alex", "V", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T25");

INSERT INTO Player VALUES ("PY3", "SAS", "SF","Alex", "W", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T25");

INSERT INTO Player VALUES ("PY4", "SAS", "SF","Alex", "X", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T25");

INSERT INTO Player VALUES ("PY5", "SAS", "SF","Alex", "Y", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T25");

INSERT INTO Player VALUES ("PZ1", "BC", "SF","Matt", "A", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T26");

INSERT INTO Player VALUES ("PZ2", "BC", "SF","Matt", "B", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T26");

INSERT INTO Player VALUES ("PZ3", "BC", "SF","Matt", "C", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T26");

INSERT INTO Player VALUES ("PZ4", "BC", "SF","Matt", "D", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T26");

INSERT INTO Player VALUES ("PZ5", "BC", "SF","Matt", "E", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T26");

INSERT INTO Player VALUES ("PAA1", "BN", "SF","Matt", "F", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T27");

INSERT INTO Player VALUES ("PAA2", "BN", "SF","Matt", "G", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T27");

INSERT INTO Player VALUES ("PAA3", "BN", "SF","Matt", "H", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T27");

INSERT INTO Player VALUES ("PAA4", "BN", "SF","Matt", "I", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T27");

INSERT INTO Player VALUES ("PAA5", "BN", "SF","Matt", "J", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T27");

INSERT INTO Player VALUES ("PAB1", "TR", "SF","Matt", "L", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T28");

INSERT INTO Player VALUES ("PAB2", "TR", "SF","Matt", "M", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T28");

INSERT INTO Player VALUES ("PAB3", "TR", "SF","Matt", "N", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T28");

INSERT INTO Player VALUES ("PAB4", "TR", "SF","Matt", "O", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T28");

INSERT INTO Player VALUES ("PAB5", "TR", "SF","Matt", "P", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T28");

INSERT INTO Player VALUES ("PAC1", "CB", "SF","Matt", "Q", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T29");

INSERT INTO Player VALUES ("PAC2", "CB", "SF","Matt", "R", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T29");

INSERT INTO Player VALUES ("PAC3", "CB", "SF","Matt", "S", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T29");

INSERT INTO Player VALUES ("PAC4", "CB", "SF","Matt", "T", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T29");

INSERT INTO Player VALUES ("PAC5", "CB", "SF","Matt", "U", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T29");

INSERT INTO Player VALUES ("PAD1", "OM", "SF","Matt", "V", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T30");

INSERT INTO Player VALUES ("PAD2", "OM", "SF","Matt", "W", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T30");

INSERT INTO Player VALUES ("PAD3", "OM", "SF","Matt", "X", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T30");

INSERT INTO Player VALUES ("PAD4", "OM", "SF","Matt", "Y", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T30");

INSERT INTO Player VALUES ("PAD5", "OM", "SF","Matt", "Z", "140", "20", "10", "20", "10", "10", "10", "100", "24", "5'7","225lb","USA","100","T30");

INSERT INTO Is\_Promoted VALUES("GA1","AD2");

INSERT INTO Is\_Promoted VALUES("GB3","AD1");

INSERT INTO Is\_Promoted VALUES("GC4","AD7");

INSERT INTO Is\_Promoted VALUES("GD6","AD4");

INSERT INTO Is\_Promoted VALUES("GE5","AD10");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Game\_ VALUES ("GG1","2023-11-28", "Miami Heat","Milwaukee Bucks", "16000","124","141");

INSERT INTO Game\_ VALUES ("GG2","2023-11-28", "Cleveland Cavaliers","Atlanta Hawks", "13000","128","105");

INSERT INTO Game\_ VALUES ("GG3","2023-11-28", "Brooklyn Nets", "Toronto Raptors", "14000","115","103");

INSERT INTO Game\_ VALUES ("GG4","2023-11-28", "Boston Celtics","Chicago Bulls", "14000","97","124");

INSERT INTO Game\_ VALUES ("GG5","2023-11-28", "New York Knicks", "Charlotte Hornets", "15000","115","91");

INSERT INTO Game\_ VALUES ("GG6","2023-11-28", "Minnesota Timberwolves", "Oklahoma City Thunders", "14000","106","103");

INSERT INTO Game\_ VALUES ("GG7","2023-11-28", "Dallas Mavericks", "Houston Rockets", "17000","121","115");

INSERT INTO Game\_ VALUES ("GG8","2023-11-28", "Sacramento Kings","Golden State Warriors", "17000","124","123");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Game\_ VALUES ("GG1","2023-11-28", "Miami Heat","Milwaukee Bucks", "16000","124","141");

INSERT INTO Game\_ VALUES ("GG2","2023-11-28", "Cleveland Cavaliers","Atlanta Hawks", "13000","128","105");

INSERT INTO Game\_ VALUES ("GG3","2023-11-28", "Brooklyn Nets", "Toronto Raptors", "14000","115","103");

INSERT INTO Game\_ VALUES ("GG4","2023-11-28", "Boston Celtics","Chicago Bulls", "14000","97","124");

INSERT INTO Game\_ VALUES ("GG5","2023-11-28", "New York Knicks", "Charlotte Hornets", "15000","115","91");

INSERT INTO Game\_ VALUES ("GG6","2023-11-28", "Minnesota Timberwolves", "Oklahoma City Thunders", "14000","106","103");

INSERT INTO Game\_ VALUES ("GG7","2023-11-28", "Dallas Mavericks", "Houston Rockets", "17000","121","115");

INSERT INTO Game\_ VALUES ("GG8","2023-11-28", "Sacramento Kings","Golden State Warriors", "17000","124","123");

--------------------------------------------------------------------------------------------

INSERT INTO Is\_Played\_In VALUES("A14","GA1");

INSERT INTO Is\_Played\_In VALUES("A16","GA2");

INSERT INTO Is\_Played\_In VALUES("A24","GA3");

INSERT INTO Is\_Played\_In VALUES("A29","GA4");

INSERT INTO Is\_Played\_In VALUES("A5","GA5");

---------------------------------------------------------------------------------------------------------------------

INSERT INTO Is\_Officiated\_By VALUES("GA1","R1");

INSERT INTO Is\_Officiated\_By VALUES("GA2","R4");

INSERT INTO Is\_Officiated\_By VALUES("GA3","R7");

INSERT INTO Is\_Officiated\_By VALUES("GA4","R8");

INSERT INTO Is\_Officiated\_By VALUES("GA5","R3");

--------------------------------------------------------------------------------------------

INSERT INTO Is\_Managed\_By VALUES("2020","2027","C1","T1");

INSERT INTO Is\_Managed\_By VALUES("2017","2029","C2","T2");

INSERT INTO Is\_Managed\_By VALUES("2018","2024","C3","T3");

INSERT INTO Is\_Managed\_By VALUES("2022","2023","C4","T4");

INSERT INTO Is\_Managed\_By VALUES("2015","2025","C5","T5");

--------------------------------------------------------------------------------------------

INSERT INTO Is\_Apart\_Of VALUES("2020","T1","GW1");

INSERT INTO Is\_Apart\_Of VALUES("2020","T2","GW1");

INSERT INTO Is\_Apart\_Of VALUES("2020","T3","GW1");

INSERT INTO Is\_Apart\_Of VALUES("2020","T4","GW1");

INSERT INTO Is\_Apart\_Of VALUES("2020","T5","GW1");

INSERT INTO Is\_Apart\_Of VALUES("2020","T6","GW2");

INSERT INTO Is\_Apart\_Of VALUES("2020","T7","GW2");

INSERT INTO Is\_Apart\_Of VALUES("2020","T8","GW2");

INSERT INTO Is\_Apart\_Of VALUES("2020","T9","GW2");

INSERT INTO Is\_Apart\_Of VALUES("2020","T10","GW2");

--------------------------------------------------------------------------------------------

INSERT INTO Competes\_In VALUES("GA1","T14");

INSERT INTO Competes\_In VALUES("GA1","T12");

INSERT INTO Competes\_In VALUES("GA2","T16");

INSERT INTO Competes\_In VALUES("GA2","T17");

INSERT INTO Competes\_In VALUES("GA3","T24");

INSERT INTO Competes\_In VALUES("GA3","T22");

INSERT INTO Competes\_In VALUES("GA4","T29");

INSERT INTO Competes\_In VALUES("GA4","T27");

--------------------------------------------------------------------------------------------

INSERT INTO Scores VALUES("20","PN1","GA1");

INSERT INTO Scores VALUES("30","PN4","GA1");

INSERT INTO Scores VALUES("50","PN5","GA1");

INSERT INTO Scores VALUES("10","PL3","GA1");

INSERT INTO Scores VALUES("60","PL2","GA1");

--------------------------------------------------------------------------------------------

INSERT INTO Ticket VALUES("TICA1a","2000","VIP","Credit Card","GA1","AID1");

INSERT INTO Ticket VALUES("TICA1b","100","Upper-Courtside","Credit Card","GA1","AID2");

INSERT INTO Ticket VALUES("TICA1c","300","Lower-Courtside","Credit Card","GA1","AID3");

INSERT INTO Ticket VALUES("TICA1d","1000","Courtside","Credit Card","GA1","AID4");

INSERT INTO Ticket VALUES("TICA1e","200","Middle-Courtside","Credit Card","GA1","AID5");

**Sample Queries**

**In the following Queries We would like to gain the following information:**

1. The AgentID, First and Last name of Agents, whose names start with a D.

= SELECT AID, Agent\_FirstName, Agent\_LastName

FROM Agent

Where Agent\_FirstName Like 'D%' ;

Results = Based on the sample data above:

AID Agent\_FirstName Agent\_LastName

AID1 Don Richardson

AID2 Don Callis

AID4 Dave Meltzer

1. The arena name, and address of the arena's in California.

= SELECT ArenaName, ArenaLocation

FROM Arena

Where ArenaLocation LIKE '%CA';

Results = (The Los Angeles Lakers, and Los Angeles Clippers share the same arena, but with different venues within the arena)

ArenaName ArenaLocation

Golden 1 Center 500 David J Stern Walk, Sacramento, CA

Chase Center 1 Warriors Way, San Francisco, CA

Crypto.com Arena 1111 S Figueroa St, LA, CA

Crypto.com Arena 1111 S Figueroa St, LA, CA

1. All the teams in the West Group 1.

= SELECT GroupID, TeamID

FROM Is\_Apart\_Of

WHERE GroupID = 'GW1';

Results =

GroupID TeamID

GW1 T1

GW1 T2

GW1 T3

GW1 T4

GW1 T5

1. Games which sold at least 16000 tickets for a game, as well as the teams involved, number of tickets sold and dates

=SELECT GID, HomeTeam, AwayTeam, NoOfTicketsSold, Game\_Date

FROM Game\_

WHERE NoOfTicketsSold >= 16000;

Results =

GID HomeTeam AwayTeam NoOfTicketsSold Game\_Date

GA3 Oklahoma City Thunders Golden State Warriors 20000 2023-11-03

GG1 Miami Heat Milwaukee Bucks 16000 2023-11-28

GG7 Dallas Mavericks Houston Rockets 17000 2023-11-28

GG8 Sacramento Kings Golden State Warriors 17000 2023-11-28

1. The name of the players on the Los Angeles Lakers, along with their position played, game time, and amount of points they scored, who played less than 101 minutes.

=SELECT PID, Players\_FirstName, Players\_LastName, PostionPlayed, MinutesPlayed, PointsScored

FROM Player

WHERE PlayerTeam = 'Los Angeles Lakers' AND MinutesPlayed <101;

Results =

PID Players\_FirstName Players\_LastName PositionPlayed MinutesPlayed PointsScored

PC7 D'angelo Russel PG 100 60

1. The names of teams that have won at least 4 games so far,as well as Matches Won, and Matches Lost.

= SELECT TeamName, MatchesWon, MatchesLost

FROM Team

WHERE MatchesWon >= 4;

Results =

TeamName MatchesWon MatchesLost

Indiana Pacers 4 0

Milwaukee Bucks 4 0

Sacramento Kings 4 0

Los Angeles Lakers 4 0

1. The name of players who scored at least 100 points so far, as well as the position they play, and the points they score.

= SELECT Players\_FirstName, Players\_LastName, PostionPlayed, PointsScored

FROM Player

WHERE PointsScored >= 100;

Results =

Players\_FirstName Players\_LastName PositionPlayed PointsScored

Devin Booker PG 100

Kevin Durant G 150

1. The name, and teams of Point Guards who scored over 50 points.

= SELECT Players\_FirstName, Players\_LastName, PlayerTeam, PostionPlayed, PointsScored

FROM Player

WHERE PostionPlayed = 'PG' and PointsScored > 50;

Results =

Players\_FirstName Players\_LastName PlayerTeam PositionPlayed PointsScored

GG Jackson Memphis Grizzlies PG 60

Devin Booker Phoenix Suns PG 100

D'angelo Russel Los Angeles Lakers PG 60

1. The teams that competed in Game A1.

= SELECT GID, TeamID

FROM Competes\_In

WHERE GID = 'GA1';

Results =

GID TeamID

GA1 T12

GA1 T14

1. The Players that scored in game A1, as well as the number points they scored.

= SELECT GID, PID, Points

FROM Scores

WHERE GID = 'GA1';

Results =

GID PID Points

GA1 PL2 60

GA1 PL3 10

GA1 PN1 20

GA1 PN4 30

GA1 PN5 50