Homework 2
by Jonathan Pilling

```
--Written by Jonathan Pilling for HW2

CREATE TABLE Player {
player_name varchar(50),
ELO_Rating int,
PlayerID int NOT NULL PRIMARY KEY,
};


CREATE TABLE Game {
GameID int NOT NULL PRIMARY KEY,
blackID int NOT NULL FOREIGN KEY REFERENCES Player(PlayerID),
whiteID int NOT NULL FOREIGN KEY REFERENCES Player(PlayerID),
Result varchar(10),
list_of_moves varchar(1000)
};


CREATE TABLE Chess_Event{
event_name varchar(50),
site_name varchar(100),
event_date varchar(50),
PRIMARY KEY (event_name, event_date)
};
```

Entity-Relationship diagram

Player (entity) with attributes: player_name, ELO Rating, PlayerID (key)

Game (entity) with attributes: whiteID, blackID, Result, GameID (key), List of Moves

Event (entity) with attributes: Site, Name (key), Date (key)

Player —M— Plays —M— Game

Event —1— Hosts —M— Game