



Player

pID	pName	Rating
...	...	...
NN	NN	NN
PK		

Game

gID	eID	White_pID	Black_pID	Result	Moves
...	...	...	...	...	...
NN	NN	NN	NN	NN	NN
PK	PK	FK	FK		
	FK				

Event

eID	eName	eDate	Site
...	...	...	...
NN	NN	NN	NN
PK	Unique		

```

CREATE TABLE Player(
    pID int unsigned NOT NULL,
    pName varchar(30) NOT NULL,
    Rating int NOT NULL,
    PRIMARY KEY (pID)
);

CREATE TABLE Game(
    gID int unsigned NOT NULL,
    eID int unsigned NOT NULL,
    White_pID int unsigned NOT NULL,
    Black_pID int unsigned NOT NULL,
    Result varchar(7) NOT NULL,
    Moves varchar(1000) NOT NULL,
    CONSTRAINT PK_Game PRIMARY KEY (gID, eID),
    FOREIGN KEY (eID) REFERENCES Event(eID)
        ON UPDATE CASCADE
        ON DELETE CASCADE,
    FOREIGN KEY (White_pID) REFERENCES Player(pID)
        ON UPDATE CASCADE
        ON DELETE CASCADE,
    FOREIGN KEY (Black_pID) REFERENCES Player(pID)
        ON UPDATE CASCADE
        ON DELETE CASCADE,
    CHECK (Black_pID!=White_pID)
);

CREATE TABLE Event(
    eID int unsigned NOT NULL,
    eName varchar(30) NOT NULL,
    eDate date NOT NULL,
    Site varchar(30) NOT NULL,
    PRIMARY KEY (eID),
    CONSTRAINT UC_Event UNIQUE (eName,eDate)
);
  
```