CREATE DATABASE WORLDCUP;

USE WORLDCUP;

CREATE TABLE TEAM(

TeamID INT(11) NOT NULL,

Team VARCHAR(100) NOT NULL,

Continent VARCHAR(50) NOT NULL,

League VARCHAR(8) NOT NULL,

Population INT(10) NOT NULL,

PRIMARY KEY(Team),

UNIQUE KEY(TeamID)

);

CREATE TABLE STADIUM (

SId int(10) NOT NULL,

SName varchar(100) NOT NULL,

SCity varchar(100) NOT NULL,

SCapacity int(10) DEFAULT NULL,

PRIMARY KEY (SId,SName),

);

CREATE TABLE PLAYER(

Team VARCHAR(100) NOT NULL,

TeamID INT(11) NOT NULL,

PNo INT(10) NOT NULL,

Position VARCHAR(2) NOT NULL,

PName VARCHAR(100) NOT NULL,

BirthDate DATE DEFAULT NULL,

ShirtName VARCHAR(50) NOT NULL,

Club VARCHAR(100) DEFAULT NULL,

Height INT(10) DEFAULT NULL,

Weight INT(10) DEFAULT NULL,

PRIMARY KEY(PNo,Team),

FOREIGN KEY(Team) REFERENCES COUNTRY(Team)

);

CREATE TABLE GAME (

GameID int(10) NOT NULL,

MatchType varchar(50) NOT NULL,

MatchDate date NOT NULL,

SId int(10) NOT NULL,

TeamID1 INT(11) NOT NULL,

TeamID2 INT(11) NOT NULL,

Team1\_Score int(10) NOT NULL,

Team2\_Score int(10) NOT NULL,

PRIMARY KEY (GId,Gtype,Team1,Team2),

FOREIGN KEY (SId,SName) REFERENCES STADIUM (SId,SName),

FOREIGN KEY (Team1) REFERENCES COUNTRY (CName),

FOREIGN KEY (Team2) REFERENCES COUNTRY (CName)

);

CREATE TABLE STARTING\_LINEUPS(

GameID INT(10) NOT NULL,

TeamID INT(11) NOT NULL,

PNo INT(10) NOT NULL,

PRIMARY KEY(PNo, Team, GId),

FOREIGN KEY(PNo) REFERENCES PLAYER(PNo),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(GameID) REFERENCES GAME(GameID)

);

CREATE TABLE SUBSTITUTION(

GameID INT(10) NOT NULL,

TeamID INT(11) NOT NULL,

PNoIn INT(10) NOT NULL,

Position VARCHAR(2) NOT NULL,

PNoOut INT(10) NOT NULL,

Time DATETIME NOT NULL,

PRIMARY KEY(TeamID, PNoIn, PNoOut, GameID),

FOREIGN KEY(PNoIn) REFERENCES PLAYER(PNo),

FOREIGN KEY(PNoOut) REFERENCES PLAYER(PNo),

FOREIGN KEY(Position) REFERENCES PLAYER(Position),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(GameID) REFERENCES GAME(GameID)

);

CREATE TABLE GOALS(

GameID INT(10) NOT NULL,

TeamID INT(11) NOT NULL,

PNo INT(10) NOT NULL,

Time DATETIME NOT NULL,

Penalty VARCHAR(2) NOT NULL,

PRIMARY KEY(PNo, TeamID, GameID),

UNIQUE KEY(Time),

FOREIGN KEY(PNo) REFERENCES PLAYER(PNo),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(GameID) REFERENCES GAME(GameID)

);

CREATE TABLE OWN\_GOALS(

GameID INT(10) NOT NULL,

TeamID INT(11) NOT NULL,

PNo INT(10) NOT NULL,

Time DATETIME NOT NULL,

For\_TeamID INT(11) NOT NULL,

PRIMARY KEY(PNo, TeamID, GameID),

UNIQUE KEY(Time),

FOREIGN KEY(PNo) REFERENCES PLAYER(PNo),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(For\_TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(For\_TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(GameID) REFERENCES GAME(GameID)

);

CREATE TABLE CARDS(

GameID INT(10) NOT NULL,

TeamID INT(11) NOT NULL,

PNo INT(10) NOT NULL,

Color VARCHAR(6) NOT NULL,

Time DATETIME NOT NULL,

PRIMARY KEY(PNo, TeamID, GameID),

UNIQUE KEY(Time),

FOREIGN KEY(PNo) REFERENCES PLAYER(PNo),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID1),

FOREIGN KEY(TeamID) REFERENCES GAME(TeamID2),

FOREIGN KEY(GameID) REFERENCES GAME(GameID)

);