-- Adding Primary Keys and column types to each column of the table League.

BEGIN TRANSACTION;

CREATE TEMPORARY TABLE League\_backup( leagueID, league\_name, number\_of\_teams);

INSERT INTO League\_backup SELECT leagueID, league\_name, number\_of\_teams FROM League;

DROP TABLE League;

CREATE TABLE League( leagueID int PRIMARY KEY NOT NULL, league\_name varchar(20), number\_of\_teams int);

INSERT INTO League SELECT leagueID, league\_name, number\_of\_teams FROM League\_backup;

DROP TABLE League\_backup;

COMMIT;

-- Adding Primary Keys and column types to each column of the table Attendance.

BEGIN TRANSACTION;

CREATE TEMPORARY TABLE Attendance\_backup( teamID, teamname, Avg\_Home\_Attendance, Total\_Home\_Attendance, Avg\_Away\_Attendance, Total\_Away\_Attendance);

INSERT INTO Attendance\_backup SELECT teamID, teamname, Avg\_Home\_Attendance, Total\_Home\_Attendance,

Avg\_Away\_Attendance, Total\_Away\_Attendance FROM Attendance;

DROP TABLE Attendance;

CREATE TABLE Attendance( teamID int PRIMARY KEY NOT NULL, teamname varchar(25), Avg\_Home\_Attendance int, Total\_Home\_Attendance int,

Avg\_Away\_Attendance int, Total\_Away\_Attendance int);

INSERT INTO Attendance SELECT teamID, teamname, Avg\_Home\_Attendance, Total\_Home\_Attendance,

Avg\_Away\_Attendance, Total\_Away\_Attendance FROM Attendance\_backup;

DROP TABLE Attendance\_backup;

COMMIT;

-- First adds a new column leagueID to the table Teams and then adds Primary Keys, Foreign Keys, column types to each column of the table Teams.

BEGIN TRANSACTION;

ALTER TABLE Teams

ADD leagueID int;

UPDATE Teams SET leagueID = (select leagueID from League where Teams.leaguename = League.league\_name);

CREATE TEMPORARY TABLE team\_backup( teamID, teamname, standing, games\_played, wins, draws, losses, goals\_scored, goals\_conceded, goal\_differential,

points, leagueID);

INSERT INTO team\_backup SELECT teamID, teamname, standing, games\_played, wins, draws, losses, goals\_scored, goals\_conceded, goal\_differential,

points, leagueID FROM Teams;

DROP TABLE Teams;

CREATE TABLE Teams( teamID int PRIMARY KEY NOT NULL REFERENCES Attendance(teamID), teamname varchar(30), standing int, games\_played int,

wins int, draws int, losses int, goals\_scored int, goals\_conceded int,

goal\_differential int, points int, leagueID int REFERENCES League(leagueID));

INSERT INTO Teams SELECT teamID, teamname, standing, games\_played, wins, draws, losses, goals\_scored, goals\_conceded, goal\_differential,

points, leagueID FROM team\_backup;

DROP TABLE team\_backup;

COMMIT;

-- First adds a new column teamID to the table Teams and then adds Primary Keys, Foreign Keys and column types to each column of the table Playerstats.

BEGIN TRANSACTION;

ALTER TABLE Playerstats

ADD teamID int;

UPDATE Playerstats SET teamID = (select teamID from Teams where Playerstats.teamname = Teams.teamname);

CREATE TEMPORARY TABLE Playerstats\_backup( playerID, playername, teamID, leaguename, position, appearances, starts,

goals, assists, cleansheets, yellowcards, sentoff, minutesplayed);

INSERT INTO Playerstats\_backup SELECT playerID, playername, teamID, leaguename, position, appearances, starts,

goals, assists, cleansheets, yellowcards, sentoff, minutesplayed FROM Playerstats;

DROP TABLE Playerstats;

CREATE TABLE Playerstats( playerID int Primary Key NOT NULL, playername varchar(35), teamID int REFERENCES teams, leaguename varchar(20),

position varchar(15), appearances int, starts int,

goals int NOT NULL DEFAULT 0, assists int NOT NULL DEFAULT 0, cleansheets int, yellowcards int, sentoff int NOT NULL DEFAULT 0, minutesplayed int);

INSERT INTO Playerstats SELECT playerID, playername, teamID, leaguename, position, appearances, starts,

goals, assists, cleansheets, yellowcards, sentoff, minutesplayed FROM Playerstats\_backup;

DROP TABLE Playerstats\_backup;

COMMIT;

-- Creates a new linking table Players and then adds an extra leagueID column

BEGIN TRANSACTION;

CREATE TABLE Players( playerID int PRIMARY KEY REFERENCES Playerstats(playerID), playername varchar(35), teamID int REFERENCES Teams(teamID));

INSERT INTO Players SELECT playerID, playername, teamID FROM Playerstats;

ALTER TABLE Players

ADD leagueID int REFERENCES League(leagueID);

UPDATE Players SET leagueID = (select leagueID from Teams where Players.teamID = Teams.teamID);

COMMIT;