-- Create User Table

CREATE TABLE User

(

UserId INT IDENTITY PRIMARY KEY,

UserName NVARCHAR(128) NOT NULL,

Password NVARCHAR(64) NOT NULL,

IsAdmin NVARCHAR(4) NOT NULL

)

-- Create Team Table

CREATE TABLE Team

(

TeamId INT IDENTITY PRIMARY KEY,

UserId INT REFERENCES User (UserId),

TeamLeader NVARCHAR(4),

TeamScore LONG,

)

-- Create Question Table

CREATE TABLE Question

(

QuestionId INT IDENTITY PRIMARY KEY,

Question NVARCHAR(MAX) NOT NULL,

Answer1 NVARCHAR(256) NOT NULL,

Answer2 NVARCHAR(256) NOT NULL,

Answer3 NVARCHAR(256),

Answer4 NVARCHAR(256),

CorrectAnswer INT NOT NULL

)

-- Create Round Table

CREATE TABLE Round

(

QuestionId INT REFERENCES Question (QuestionId),

TeamId INT REFERENCES Team (TeamId),

TeamAnswer INT

)

-- Create Person table

CREATE TABLE Person

(

PersonId INT IDENTITY PRIMARY KEY,

FirstName NVARCHAR(128) NOT NULL,

MiddelInitial NVARCHAR(10),

LastName NVARCHAR(128) NOT NULL,

DateOfBirth DATE NOT NULL

)

-- Create Student table

CREATE TABLE Student

(

StudentId INT IDENTITY PRIMARY KEY,

PersonId INT REFERENCES Person (PersonId),

Email NVARCHAR(256)

)

-- Create Course table

CREATE TABLE Course

(

CourseId INT IDENTITY PRIMARY KEY,

Name NVARCHAR(50) NOT NULL,

Teacher NVARCHAR(256) NOT NULL

)

-- Create Credit table

CREATE TABLE Credit

(

StudentId INT REFERENCES Student (StudentId),

CourseId INT REFERENCES Course (CourseId),

Grade DECIMAL(5,2) CHECK (Grade <= 100.00),

Attempt TINYINT,

CONSTRAINT [UQ\_studentgrades] UNIQUE CLUSTERED

(

StudentId, CourseId, Grade, Attempt

)

)