DROP TABLE IF EXISTS users;

DROP TABLE IF EXISTS admin;

DROP TABLE IF EXISTS question;

DROP TABLE IF EXISTS quiz;

DROP TABLE IF EXISTS object;

DROP TABLE IF EXISTS choice;

DROP TABLE IF EXISTS attemptAnswer;

DROP TABLE IF EXISTS attempt;

DROP TABLE IF EXISTS score;

CREATE TABLE object (

object\_id int(11) NOT NULL AUTO\_INCREMENT,

object\_name varchar(50) NOT NULL,

img\_directory VARCHAR(50) NOT NULL,

PRIMARY KEY (object\_id)

);

CREATE TABLE users (

user\_id int(11) NOT NULL AUTO\_INCREMENT,

first\_name varchar(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(50) NOT NULL,

password VARCHAR(50) NOT NULL,

PRIMARY KEY (user\_id)

);

CREATE TABLE quiz (

quiz\_id int(11) NOT NULL AUTO\_INCREMENT,

quiz\_text varchar(50) NOT NULL,

PRIMARY KEY (quiz\_id)

);

CREATE TABLE admin (

admin\_id int(11) NOT NULL AUTO\_INCREMENT,

first\_name varchar(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

email VARCHAR(50) NOT NULL,

password VARCHAR(50) NOT NULL,

PRIMARY KEY (admin\_id)

);

CREATE TABLE question (

question\_id int(11) NOT NULL AUTO\_INCREMENT,

quiz\_id int(11) NOT NULL,

object\_id int(11) NOT NULL,

question\_order int(11) NULL,

description VARCHAR(128) NULL,

PRIMARY KEY (question\_id),

CONSTRAINT for\_question FOREIGN KEY (object\_id)

REFERENCES object(object\_id) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT for2\_question FOREIGN KEY (quiz\_id)

REFERENCES quiz(quiz\_id) ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE choice(

choice\_id int(11) NOT NULL AUTO\_INCREMENT,

question\_id int(11) NOT NULL,

choice\_order int(11) NULL,

is\_correct BOOLEAN NULL,

CONSTRAINT pri\_choice PRIMARY KEY(choice\_id),

CONSTRAINT for\_choice FOREIGN KEY (question\_id)

REFERENCES question(question\_id) ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE attemptAnswer(

attempt\_answer\_id int(11) NOT NULL AUTO\_INCREMENT,

choice\_id int(11) NOT NULL,

CONSTRAINT pri\_attempt PRIMARY KEY(attempt\_answer\_id),

CONSTRAINT for\_attempt\_answer FOREIGN KEY (choice\_id)

REFERENCES choice(choice\_id) ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE attempt (

attempt\_id int(11) NOT NULL AUTO\_INCREMENT,

user\_id int(11) NOT NULL,

quiz\_id int(11) NOT NULL,

submitted\_date DATETIME NOT NULL,

CONSTRAINT pri\_attempt PRIMARY KEY(attempt\_id),

CONSTRAINT for\_attempt FOREIGN KEY (user\_id)

REFERENCES users(user\_id) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT for2\_attempt FOREIGN KEY (quiz\_id)

REFERENCES quiz(quiz\_id) ON UPDATE CASCADE ON DELETE CASCADE);

CREATE TABLE score (

score\_id int(11) NOT NULL AUTO\_INCREMENT,

user\_id int(11) NOT NULL,

attempt\_id int(11) NOT NULL,

CONSTRAINT pri\_score PRIMARY KEY(score\_id),

CONSTRAINT for\_score FOREIGN KEY (user\_id)

REFERENCES users(user\_id) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT for2\_score FOREIGN KEY (attempt\_id)

REFERENCES attempt(attempt\_id) ON UPDATE CASCADE ON DELETE CASCADE);