**QUIZ TABLE**

Create Table Quiz(

quizId INT PRIMARY KEY UNIQUE ,

quizName VARCHAR(200),

quizImg VARCHAR(5000),

quizTotalQuestions INT

)

**USER TABLE**

create table users(

userId INT Primary key unique,

userName VARCHAR(200)

)

**QUIZ COMPLETION STATUS TABLE**

create table quizCompletion(

quizId INT,

userId INT,

totalQuestions INT,

correctAnswers INT,

quizCompletionStatus INT,

FOREIGN KEY (quizId) REFERENCES quiz(quizId),

FOREIGN KEY (userId) REFERENCES users(userId)

)

**QUESTIONS TABLE**

create table questions(

questionId INT PRIMARY KEY,

quizId INT,

question VARCHAR(250),

optA VARCHAR(200),

optB VARCHAR(200),

optC VARCHAR(200),

optD VARCHAR(200),

correctAnswer VARCHAR(200),

difficulty VARCHAR(200),

FOREIGN KEY (quizId) REFERENCES quiz(quizId)

)

**Difficulty Table**

CREATE TABLE difficulty(

quizid INT,

difficultyName VARCHAR(200)

)

**ANSWERED QUESTIONS TABLE**CREATE TABLE answeredQuestions (

sessionID VARCHAR(250),

userID VARCHAR(250),

quizId INT,

questID INT,

questSelectedAnswer VARCHAR(250),

questCorrectAnswer VARCHAR(250),

qDifficulty VARCHAR(250),

FOREIGN KEY (quizId) REFERENCES quiz(quizid),

FOREIGN KEY (questID) REFERENCES questions(questionId)

)

**INSERT DUMMY DATA**

**QUIZ TABLE DUMMY DATA**

INSERT INTO Quiz (quizId, quizName, quizImg, quizTotalQuestions)

VALUES

(1, 'Science Quiz', 'science.jpg', 10),

(2, 'History Quiz', 'history.jpg', 15),

(3, 'Math Quiz', 'math.jpg', 20);

**USER TABLE DUMMY DATA**

INSERT INTO users (userId, userName)

VALUES

(1, 'JohnDoe'),

(2, 'JaneSmith'),

(3, 'AliceJohnson');

**TRIGGERES**

**To update totalquestion in quiz table**

**TO INCREASE BY 1**

DELIMITER //

CREATE TRIGGER update\_quiz\_total\_questions

AFTER INSERT ON questions FOR EACH ROW

BEGIN

UPDATE Quiz

SET quizTotalQuestions = quizTotalQuestions + 1

WHERE quizId = NEW.quizId;

END;

//

DELIMITER ;

**TO DECREASE BY 1 on DELETE**DELIMITER //

CREATE TRIGGER update\_quiz\_total\_questions\_delete

AFTER DELETE ON questions FOR EACH ROW

BEGIN

UPDATE Quiz

SET quizTotalQuestions = quizTotalQuestions - 1

WHERE quizId = OLD.quizId;

END;

//

DELIMITER ;