CREATE TABLE User (

UserID INT PRIMARY KEY AUTO\_INCREMENT,

UserName VARCHAR(50) NOT NULL,

Email VARCHAR(50) NOT NULL,

Password VARCHAR(100) NOT NULL,

Role VARCHAR(10) NOT NULL,

Gnder VARCHAR(10) NOT NULL

);

CREATE TABLE Admin (

AdminID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT NOT NULL,

FOREIGN KEY (UserID) REFERENCES User(UserID)

);

CREATE TABLE Student (

StudentID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT NOT NULL,

AdminID INT NOT NULL,

FOREIGN KEY (UserID) REFERENCES User(UserID),

FOREIGN KEY (AdminID) REFERENCES Admin(AdminID)

);

ALTER TABLE Student AUTO\_INCREMENT = 20220200;

CREATE TABLE Faculty\_Member (

FacultyID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT NOT NULL,

AdminID INT NOT NULL,

Department VARCHAR(20) NOT NULL,

FOREIGN KEY (UserID) REFERENCES User(UserID),

FOREIGN KEY (AdminID) REFERENCES Admin(AdminID)

);

CREATE TABLE Course (

CourseID INT PRIMARY KEY AUTO\_INCREMENT,

CourseName VARCHAR(50) NOT NULL,

Description TEXT NOT NULL,

InstructorID INT NOT NULL,

Start\_Date DATETIME NOT NULL,

End\_Date DATETIME NOT NULL,

FOREIGN KEY (InstructorID) REFERENCES Faculty\_Member(FacultyID)

);

CREATE TABLE Enrollment (

EnrollmentID INT PRIMARY KEY AUTO\_INCREMENT,

StudentID INT NOT NULL,

CourseID INT NOT NULL,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (CourseID) REFERENCES Course(CourseID)

);

CREATE TABLE Evaluation\_Questions (

EvalQID INT PRIMARY KEY AUTO\_INCREMENT,

Content TEXT NOT NULL,

AdminID INT NOT NULL,

FOREIGN KEY (AdminID) REFERENCES Admin(AdminID)

);

CREATE TABLE Message (

MessageID INT PRIMARY KEY AUTO\_INCREMENT,

SenderID INT NOT NULL,

ReceiverID INT NOT NULL,

Content TEXT NOT NULL,

Timestamp DATETIME NOT NULL,

FOREIGN KEY (SenderID) REFERENCES User(UserID),

FOREIGN KEY (ReceiverID) REFERENCES User(UserID)

);

CREATE TABLE Assignment (

AssignmentID INT PRIMARY KEY AUTO\_INCREMENT,

CourseID INT NOT NULL,

Title VARCHAR(100) NOT NULL,

Description TEXT NOT NULL,

Max\_Score INT NOT NULL,

FOREIGN KEY (CourseID) REFERENCES Course(CourseID)

);

CREATE TABLE Certificate (

CertificateID INT PRIMARY KEY AUTO\_INCREMENT,

StudentID INT NOT NULL,

CourseID INT NOT NULL,

Submit\_Date DATE NOT NULL,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (CourseID) REFERENCES Course(CourseID)

);

CREATE TABLE Feedback (

FeedbackID INT PRIMARY KEY AUTO\_INCREMENT,

InstructorID INT NOT NULL,

StudentID INT NOT NULL,

EvalQID INT NOT NULL,

Content TEXT NOT NULL,

Feedback\_Date DATETIME NOT NULL,

FOREIGN KEY (InstructorID) REFERENCES Faculty\_Member(FacultyID),

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (EvalQID) REFERENCES Evaluation\_Questions(EvalQID)

);

CREATE TABLE Rating (

RatingID INT PRIMARY KEY AUTO\_INCREMENT,

Rate INT NOT NULL,

Rate\_Date DATETIME NOT NULL,

FeedbackID INT NOT NULL,

InstructorID INT NOT NULL,

FOREIGN KEY (FeedbackID) REFERENCES Feedback(FeedbackID),

FOREIGN KEY (InstructorID) REFERENCES Faculty\_Member(FacultyID)

);

CREATE TABLE Grade (

GradeID INT PRIMARY KEY AUTO\_INCREMENT,

StudentID INT NOT NULL,

CourseID INT NOT NULL,

AssignmentID INT NOT NULL,

Grade INT NOT NULL,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (CourseID) REFERENCES Course(CourseID),

FOREIGN KEY (AssignmentID) REFERENCES Assignment(AssignmentID)

);