**DDL**

-- Student Table

CREATE TABLE Student (

StudentID INT PRIMARY KEY,

Name VARCHAR(50),

SurName VARCHAR(50),

BirthDate DATE,

Gender CHAR(1),

RegisterState VARCHAR(20),

ClassNo INT

);

-- Teacher Table

CREATE TABLE Teacher (

TeacherID INT PRIMARY KEY,

Name VARCHAR(50),

Surname VARCHAR(50),

Branch VARCHAR(50),

Phone VARCHAR(15),

Email VARCHAR(100)

);

-- Lesson Table

CREATE TABLE Lesson (

LessonName VARCHAR(100),

LessonCode INT PRIMARY KEY,

Credits INT

);

-- Class Table

CREATE TABLE Class (

ClassNo INT PRIMARY KEY,

NumberOfStudents INT,

LessonCode INT,

MinisterOfClassID INT

);

-- Registration Table

CREATE TABLE Registration (

RegisterID INT PRIMARY KEY,

StudentID INT,

LessonCode INT,

Score INT,

Discontinuity BOOLEAN,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (LessonCode) REFERENCES Lesson(LessonCode)

);

-- Assignment Table

CREATE TABLE Assignment (

AssignID INT PRIMARY KEY,

LessonCode INT,

TeacherID INT,

FOREIGN KEY (LessonCode) REFERENCES Lesson(LessonCode),

FOREIGN KEY (TeacherID) REFERENCES Teacher(TeacherID)

);

-- Club Table

CREATE TABLE Club (

ClubID INT PRIMARY KEY,

ClubName VARCHAR(100),

Advisor INT,

FOREIGN KEY (Advisor) REFERENCES Teacher(TeacherID)

);

-- Club Membership Table

CREATE TABLE Club\_Membership (

MembershipID INT PRIMARY KEY,

StudentID INT,

ClubID INT,

FOREIGN KEY (StudentID) REFERENCES Student(StudentID),

FOREIGN KEY (ClubID) REFERENCES Club(ClubID)

);

**DML**

INSERT INTO Student (StudentID, Name, SurName, BirthDate, Gender, RegisterState, ClassNo)

VALUES

(1, 'Ahmet', 'Yılmaz', '2004-05-12', 'M', 'Active', 10),

(2, 'Ayşe', 'Demir', '2003-03-09', 'F', 'Active', 10);

INSERT INTO Teacher (TeacherID, Name, Surname, Branch, Phone, Email)

VALUES

(101, 'Kemal', 'Kaya', 'Math', '5551234567', 'kemal.kaya@email.com'),

(102, 'Zeynep', 'Yılmaz', 'History', '5552345678', 'zeynep@email.com');

INSERT INTO Lesson (LessonCode, LessonName, Credits)

VALUES

('MATH101', 'Mathematics', 3),

('HIST102', 'History', 2);

INSERT INTO Registration (RegisterID, StudentID, LessonCode, Score, Discontinuity)

VALUES

(1, 1, 'MATH101', 85, 'No'),

(2, 2, 'HIST102', 90, 'No');

INSERT INTO Assignment (AssignID, LessonCode, TeacherID)

VALUES

(1, 'MATH101', 101),

(2, 'HIST102', 102);

INSERT INTO Club (ClubID, ClubName, Advisor)

VALUES

(1, 'Chess', 101),

(2, 'Debate', 102);

INSERT INTO ClubMembership (MembershipID, StudentID, ClubID)

VALUES

(1, 1, 1),

(2, 2, 2);