Step 1: Create a schema

CREATE SCHEMA IF NOT EXISTS SchoolDB;

USE SchoolDB;

Step 2: Create the 'Students' table

CREATE TABLE Students ( StudentID INT AUTO\_INCREMENT PRIMARY KEY, FirstName VARCHAR(50) NOT NULL, LastName VARCHAR(50) NOT NULL,Email VARCHAR(100) UNIQUE NOT NULL, DateOfBirth DATE NOT NULL);

Step 3: Create the 'Courses' table

CREATE TABLE Courses ( CourseID INT AUTO\_INCREMENT PRIMARY KEY, CourseName VARCHAR(100) NOT NULL, CourseCode VARCHAR(10) UNIQUE NOT NULL );

Step 4: Create the 'Enrollments' table

CREATE TABLE Enrollments ( EnrollmentID INT AUTO\_INCREMENT PRIMARY KEY, StudentID INT NOT NULL, CourseID INT NOT NULL, EnrollmentDate DATE NOT NULL, constraint FOREIGN KEY (StudentID) REFERENCES Students(StudentID) ON DELETE CASCADE, FOREIGN KEY (CourseID) REFERENCES Courses(CourseID) ON DELETE CASCADE );

Step 5: Insert sample data into 'Students'

INSERT INTO Students (FirstName, LastName, Email, DateOfBirth) VALUES ('Alice', 'Johnson', 'alice.johnson@example.com', '2000-05-15'), ('Bob', 'Smith', 'bob.smith@example.com', '1999-07-20');

Step 6: Insert sample data into 'Courses' INSERT INTO Courses (CourseName, CourseCode) VALUES ('Mathematics', 'MATH101'), ('Computer Science', 'CS101');

Step 7: Insert sample data into 'Enrollments'

INSERT INTO Enrollments (StudentID, CourseID, EnrollmentDate) VALUES (1, 1, '2024-01-01'), (2, 2, '2024-01-02');

Step 8: Query data to verify

SELECT \* FROM Students;

SELECT \* FROM Courses;

SELECT\* FROM Enrollments;