```
-- Create database
CREATE DATABASE StudentDB;
-- Use the database
USE StudentDB;
-- Table to store student information
CREATE TABLE Students (
  StudentID INT AUTO_INCREMENT PRIMARY KEY,
  FirstName VARCHAR(50) NOT NULL,
  LastName VARCHAR(50) NOT NULL,
  DateOfBirth DATE,
  Email VARCHAR(100) UNIQUE NOT NULL,
  EnrollmentDate DATE NOT NULL
);
-- Table to store course information
CREATE TABLE Courses (
  CourseID INT AUTO_INCREMENT PRIMARY KEY,
  CourseName VARCHAR(100) NOT NULL,
  CourseCode VARCHAR(10) UNIQUE NOT NULL,
  Credits INT NOT NULL
);
-- Table to store enrollment records
CREATE TABLE Enrollments (
  EnrollmentID INT AUTO_INCREMENT PRIMARY KEY,
  StudentID INT,
  CourseID INT,
  EnrollmentDate DATE,
```

```
FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
  FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)
);
-- Example Inserts into Students table
INSERT INTO Students (FirstName, LastName, DateOfBirth, Email, EnrollmentDate) VALUES
('John', 'Doe', '2000-01-15', 'john.doe@example.com', '2024-08-01'),
('Jane', 'Smith', '1999-12-05', 'jane.smith@example.com', '2024-08-02'),
('Alice', 'Johnson', '2001-03-25', 'alice.johnson@example.com', '2024-08-03');
-- Example Inserts into Courses table
INSERT INTO Courses (CourseName, CourseCode, Credits) VALUES
('Introduction to Programming', 'CS101', 4),
('Data Structures', 'CS102', 4),
('Database Systems', 'CS201', 3);
-- Example Inserts into Enrollments table
INSERT INTO Enrollments (StudentID, CourseID, EnrollmentDate) VALUES
(1, 1, '2024-08-10'),
(1, 2, '2024-08-10'),
(2, 1, '2024-08-11'),
(2, 3, '2024-08-11'),
(3, 2, '2024-08-12');
SELECT * FROM Students;
SELECT * FROM Courses;
SELECT e.EnrollmentID, s.FirstName, s.LastName, c.CourseName, e.EnrollmentDate
FROM Enrollments e
JOIN Students s ON e.StudentID = s.StudentID
JOIN Courses c ON e.CourseID = c.CourseID;
SELECT c.CourseName, c.CourseCode
```

FROM Enrollments e

JOIN Courses c ON e.CourseID = c.CourseID

WHERE e.StudentID = 1; -- For student with ID 1

SELECT s.FirstName, s.LastName, s.Email

FROM Enrollments e

JOIN Students s ON e.StudentID = s.StudentID

WHERE e.CourseID = 2; -- For course with ID 2