-- Drop tables if they already exist (drop Enrollments first due to foreign key constraints)

DROP TABLE IF EXISTS Enrollments;

DROP TABLE IF EXISTS Students;

DROP TABLE IF EXISTS Courses;

-- Students table

CREATE TABLE Students (

student\_id INT PRIMARY KEY,

name VARCHAR(100)

);

-- Courses table

CREATE TABLE Courses (

course\_id INT PRIMARY KEY,

course\_name VARCHAR(100)

);

-- Enrollments table

CREATE TABLE Enrollments (

enrollment\_id INT PRIMARY KEY,

student\_id INT,

course\_id INT,

FOREIGN KEY (student\_id) REFERENCES Students(student\_id),

FOREIGN KEY (course\_id) REFERENCES Courses(course\_id)

);

-- Insert Students

INSERT INTO Students (student\_id, name) VALUES

(1, 'Alice Johnson'),

(2, 'Bob Smith'),

(3, 'Charlie Rose');

-- Insert Courses

INSERT INTO Courses (course\_id, course\_name) VALUES

(101, 'Mathematics'),

(102, 'Physics'),

(103, 'Literature');

-- Insert Enrollments

INSERT INTO Enrollments (enrollment\_id, student\_id, course\_id) VALUES

(1, 1, 101),

(2, 1, 103),

(3, 2, 102),

(4, 3, 101),

(5, 3, 102);

-- Query: Get enrolled courses for a student

SELECT s.name AS student\_name, c.course\_name

FROM Students s

JOIN Enrollments e ON s.student\_id = e.student\_id

JOIN Courses c ON e.course\_id = c.course\_id

WHERE s.name = 'Alice Johnson';