

```
CREATE DATABASE TheUniversityManagementSystem;
```

```
CREATE TABLE Faculties(  
  faculty_id INT PRIMARY KEY AUTO_INCREMENT,  
  name VARCHAR(100) NOT NULL,  
  dean VARCHAR(100)  
);
```

```
CREATE TABLE Departments (  
  department_id INT PRIMARY KEY AUTO_INCREMENT,  
  name VARCHAR(100) NOT NULL,  
  faculty_id INT,  
  FOREIGN KEY (faculty_id) REFERENCES Faculties(faculty_id)  
);
```

```
CREATE TABLE Programs (  
  program_id INT PRIMARY KEY AUTO_INCREMENT,  
  name VARCHAR(100) NOT NULL,  
  department_id INT,  
  FOREIGN KEY (department_id) REFERENCES Departments(department_id)  
);
```

```
CREATE TABLE Students (  
  student_id INT PRIMARY KEY AUTO_INCREMENT,  
  first_name VARCHAR(50) NOT NULL,  
  last_name VARCHAR(50) NOT NULL,  
  email VARCHAR(100) UNIQUE NOT NULL,  
  enrollment_year YEAR NOT NULL,  
  program_id INT,  
  FOREIGN KEY (program_id) REFERENCES Programs(program_id)  
);
```

```
CREATE TABLE Professors (  
    professor_id INT PRIMARY KEY AUTO_INCREMENT,  
    first_name VARCHAR(50) NOT NULL,  
    last_name VARCHAR(50) NOT NULL,  
    email VARCHAR(100) UNIQUE NOT NULL,  
    department_id INT,  
    FOREIGN KEY (department_id) REFERENCES Departments(department_id)  
);
```

```
CREATE TABLE Courses (  
    course_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(100) NOT NULL,  
    credits INT NOT NULL,  
    department_id INT,  
    professor_id INT,  
    FOREIGN KEY (department_id) REFERENCES Departments(department_id),  
    FOREIGN KEY (professor_id) REFERENCES Professors(professor_id)  
);
```

```
CREATE TABLE Semesters (  
    semester_id INT PRIMARY KEY AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    start_date DATE,  
    end_date DATE  
);
```

```
CREATE TABLE Enrollments (  
    enrollment_id INT PRIMARY KEY AUTO_INCREMENT,  
    student_id INT,  
    course_id INT,
```

```
semester_id INT,  
FOREIGN KEY (student_id) REFERENCES Students(student_id),  
FOREIGN KEY (course_id) REFERENCES Courses(course_id),  
FOREIGN KEY (semester_id) REFERENCES Semesters(semester_id)  
);
```

```
CREATE TABLE Grades (  
    grade_id INT PRIMARY KEY AUTO_INCREMENT,  
    enrollment_id INT,  
    grade DECIMAL(4,2),  
    date_assigned DATE,  
    FOREIGN KEY (enrollment_id) REFERENCES Enrollments(enrollment_id)  
);
```

```
CREATE TABLE Classrooms (  
    classroom_id INT PRIMARY KEY AUTO_INCREMENT,  
    building VARCHAR(50) NOT NULL,  
    room_number VARCHAR(10) NOT NULL,  
    capacity INT  
);
```

```
CREATE TABLE Schedules (  
    schedule_id INT PRIMARY KEY AUTO_INCREMENT,  
    course_id INT,  
    classroom_id INT,  
    day_of_week ENUM('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday'),  
    start_time TIME,  
    end_time TIME,  
    FOREIGN KEY (course_id) REFERENCES Courses(course_id),  
    FOREIGN KEY (classroom_id) REFERENCES Classrooms(classroom_id)  
);
```

```
CREATE TABLE Payments (  
    payment_id INT PRIMARY KEY AUTO_INCREMENT,  
    student_id INT,  
    amount DECIMAL(10,2) NOT NULL,  
    payment_date DATE NOT NULL,  
    method ENUM('Cash', 'Card', 'Bank Transfer') NOT NULL,  
    FOREIGN KEY (student_id) REFERENCES Students(student_id)  
);  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (1, 'Faculty of Arts and Humanities', 'Dr. Elizabeth Carter');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (2, 'Faculty of Science', 'Dr. Michael Thompson');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (3, 'Faculty of Engineering', 'Dr. James Anderson');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (4, 'Faculty of Business and Economics', 'Dr. Sarah Robinson');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (5, 'Faculty of Medicine and Health Sciences', 'Dr. Robert Williams');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (6, 'Faculty of Law', 'Dr. Catherine Johnson');  
  
INSERT INTO faculties (faculty_id, name, dean)  
VALUES (7, 'Faculty of Education', 'Dr. David Lee');  
  
INSERT INTO faculties (faculty_id, name, dean)
```

VALUES (8, 'Faculty of Social Sciences', 'Dr. Linda Martinez');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (9, 'Faculty of Computer Science and Information Technology', 'Dr. Richard Adams');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (10, 'Faculty of Architecture and Design', 'Dr. Emily White');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (11, 'Faculty of Environmental Science', 'Dr. Thomas Harris');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (12, 'Faculty of Political Science and International Relations', 'Dr. Nancy Clark');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (13, 'Faculty of Psychology and Behavioral Sciences', 'Dr. George Wilson');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (14, 'Faculty of Communication and Media Studies', 'Dr. Anna Baker');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (15, 'Faculty of Agriculture and Food Science', 'Dr. Daniel Rodriguez');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (16, 'Faculty of Music and Performing Arts', 'Dr. Jessica Hall');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (17, 'Faculty of Tourism and Hospitality Management', 'Dr. Paul Allen');

INSERT INTO faculties (faculty\_id, name, dean)

VALUES (18, 'Faculty of Mathematics and Statistics', 'Dr. Christopher Nelson');

```
INSERT INTO faculties (faculty_id, name, dean)
VALUES (19, 'Faculty of Pharmacy', 'Dr. Margaret Scott');
```

```
INSERT INTO faculties (faculty_id, name, dean)
VALUES (20, 'Faculty of Veterinary Science', 'Dr. Anthony Perez');
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (1, 'Department of English Literature', 1);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (2, 'Department of History', 1);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (3, 'Department of Physics', 2);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (4, 'Department of Chemistry', 2);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (5, 'Department of Biology', 2);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (6, 'Department of Civil Engineering', 3);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (7, 'Department of Mechanical Engineering', 3);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (8, 'Department of Electrical Engineering', 3);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (9, 'Department of Business Administration', 4);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (10, 'Department of Economics', 4);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (11, 'Department of Accounting', 4);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (12, 'Department of Medicine', 5);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (13, 'Department of Nursing', 5);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (14, 'Department of Pharmacy', 5);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (15, 'Department of Constitutional Law', 6);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (16, 'Department of International Law', 6);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (17, 'Department of Educational Psychology', 7);
```

```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (18, 'Department of Curriculum Studies', 7);
```

```
INSERT INTO departments (department_id, name, faculty_id)
```

```
VALUES (19, 'Department of Sociology', 8);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (20, 'Department of Political Science', 8);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (21, 'Department of Computer Science', 9);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (22, 'Department of Information Systems', 9);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (23, 'Department of Architecture', 10);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (24, 'Department of Urban Planning', 10);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (25, 'Department of Environmental Studies', 11);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (26, 'Department of Media and Communication', 14);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (27, 'Department of Psychology', 13);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (28, 'Department of Hospitality Management', 17);
```

```
INSERT INTO departments (department_id, name, faculty_id)  
VALUES (29, 'Department of Statistics', 18);
```



```
INSERT INTO departments (department_id, name, faculty_id)
VALUES (30, 'Department of Veterinary Medicine', 20);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (1, 'Bachelor of English Literature', 1);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (2, 'Bachelor of History', 2);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (3, 'Bachelor of Physics', 3);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (4, 'Master of Physics', 3);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (5, 'Bachelor of Chemistry', 4);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (6, 'Master of Chemistry', 4);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (7, 'Bachelor of Biology', 5);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (8, 'Master of Biology', 5);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (9, 'Bachelor of Civil Engineering', 6);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (10, 'Master of Civil Engineering', 6);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (11, 'Bachelor of Mechanical Engineering', 7);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (12, 'Master of Mechanical Engineering', 7);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (13, 'Bachelor of Electrical Engineering', 8);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (14, 'Master of Electrical Engineering', 8);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (15, 'Bachelor of Business Administration', 9);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (16, 'Master of Business Administration (MBA)', 9);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (17, 'Bachelor of Economics', 10);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (18, 'Master of Economics', 10);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (19, 'Bachelor of Accounting', 11);
```

```
INSERT INTO programs (program_id, name, department_id)
```

```
VALUES (20, 'Master of Accounting', 11);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (21, 'Doctor of Medicine (MD)', 12);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (22, 'Bachelor of Nursing', 13);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (23, 'Bachelor of Pharmacy', 14);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (24, 'Master of Pharmacy', 14);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (25, 'Bachelor of Political Science', 20);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (26, 'Master of Political Science', 20);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (27, 'Bachelor of Computer Science', 21);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (28, 'Master of Computer Science', 21);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (29, 'Bachelor of Information Systems', 22);
```

```
INSERT INTO programs (program_id, name, department_id)  
VALUES (30, 'Master of Information Systems', 22);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (31, 'Bachelor of Architecture', 23);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (32, 'Master of Architecture', 23);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (33, 'Bachelor of Urban Planning', 24);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (34, 'Master of Urban Planning', 24);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (35, 'Bachelor of Environmental Studies', 25);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (36, 'Master of Environmental Studies', 25);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (37, 'Bachelor of Media and Communication', 26);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (38, 'Master of Media and Communication', 26);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (39, 'Bachelor of Psychology', 27);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (40, 'Master of Psychology', 27);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (41, 'Bachelor of Hospitality Management', 28);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (42, 'Master of Hospitality Management', 28);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (43, 'Bachelor of Statistics', 29);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (44, 'Master of Statistics', 29);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (45, 'Bachelor of Veterinary Medicine', 30);
```

```
INSERT INTO programs (program_id, name, department_id)
VALUES (46, 'Doctor of Veterinary Medicine (DVM)', 30);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (1, 'David', 'Clark', 'david.clark@mail.com', 2023, 1);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (2, 'Sophia', 'Miller', 'sophia.miller@mail.com', 2022, 3);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (3, 'Liam', 'Anderson', 'liam.anderson@mail.com', 2021, 5);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (4, 'Olivia', 'Taylor', 'olivia.taylor@mail.com', 2023, 7);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
```

```
VALUES (5, 'Noah', 'Brown', 'noah.brown@mail.com', 2020, 9);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (6, 'Emma', 'Harris', 'emma.harris@mail.com', 2023, 11);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (7, 'Mason', 'Walker', 'mason.walker@mail.com', 2022, 13);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (8, 'Ava', 'Moore', 'ava.moore@mail.com', 2021, 15);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (9, 'Lucas', 'King', 'lucas.king@mail.com', 2020, 17);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (10, 'Mia', 'Scott', 'mia.scott@mail.com', 2023, 19);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (11, 'Benjamin', 'Evans', 'benjamin.evans@mail.com', 2022, 21);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (12, 'Isabella', 'Turner', 'isabella.turner@mail.com', 2021, 23);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (13, 'Ethan', 'Perez', 'ethan.perez@mail.com', 2020, 25);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (14, 'Charlotte', 'Rivera', 'charlotte.rivera@mail.com', 2023, 27);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (15, 'James', 'Diaz', 'james.diaz@mail.com', 2022, 29);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (16, 'Amelia', 'Gonzalez', 'amelia.gonzalez@mail.com', 2021, 31);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (17, 'Alexander', 'Nelson', 'alexander.nelson@mail.com', 2020, 33);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (18, 'Harper', 'Carter', 'harper.carter@mail.com', 2023, 35);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (19, 'Daniel', 'Mitchell', 'daniel.mitchell@mail.com', 2022, 37);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (20, 'Evelyn', 'Perez', 'evelyn.perez@mail.com', 2021, 39);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (21, 'Michael', 'Roberts', 'michael.roberts@mail.com', 2020, 41);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (22, 'Abigail', 'Garcia', 'abigail.garcia@mail.com', 2023, 43);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (23, 'William', 'Lopez', 'william.lopez@mail.com', 2022, 45);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (24, 'Ella', 'Martinez', 'ella.martinez@mail.com', 2021, 1);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (25, 'Henry', 'Rodriguez', 'henry.rodriguez@mail.com', 2020, 3);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (26, 'Scarlett', 'Jackson', 'scarlett.jackson@mail.com', 2023, 5);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (27, 'Jack', 'White', 'jack.white@mail.com', 2022, 7);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (28, 'Grace', 'Hernandez', 'grace.hernandez@mail.com', 2021, 9);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (29, 'Samuel', 'Lee', 'samuel.lee@mail.com', 2020, 11);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (30, 'Chloe', 'Allen', 'chloe.allen@mail.com', 2023, 13);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (31, 'Matthew', 'Young', 'matthew.young@mail.com', 2022, 15);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (32, 'Victoria', 'Hall', 'victoria.hall@mail.com', 2021, 17);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (33, 'David', 'Scott', 'david.scott@mail.com', 2020, 19);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (34, 'Madison', 'Green', 'madison.green@mail.com', 2023, 21);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (35, 'Joseph', 'Adams', 'joseph.adams@mail.com', 2022, 23);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
```



```
VALUES (36, 'Lily', 'Baker', 'lily.baker@mail.com', 2021, 25);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (37, 'Christopher', 'Gonzalez', 'christopher.gonzalez@mail.com', 2020, 27);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (38, 'Hannah', 'Nelson', 'hannah.nelson@mail.com', 2023, 29);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (39, 'Andrew', 'Carter', 'andrew.carter@mail.com', 2022, 31);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (40, 'Natalie', 'Mitchell', 'natalie.mitchell@mail.com', 2021, 33);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (41, 'Joshua', 'Perez', 'joshua.perez@mail.com', 2020, 35);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (42, 'Samantha', 'Roberts', 'samantha.roberts@mail.com', 2023, 37);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (43, 'Ryan', 'Garcia', 'ryan.garcia@mail.com', 2022, 39);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (44, 'Zoe', 'Lopez', 'zoe.lopez@mail.com', 2021, 41);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (45, 'Eli', 'Martinez', 'eli.martinez@mail.com', 2020, 43);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)  
VALUES (46, 'Penelope', 'Rodriguez', 'penelope.rodriguez@mail.com', 2023, 45);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (47, 'Owen', 'Jackson', 'owen.jackson@mail.com', 2022, 1);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (48, 'Layla', 'White', 'layla.white@mail.com', 2021, 3);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (49, 'Gabriel', 'Hernandez', 'gabriel.hernandez@mail.com', 2020, 5);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (50, 'Aubrey', 'Lee', 'aubrey.lee@mail.com', 2023, 7);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (51, 'Lucas', 'Evans', 'lucas.evans@mail.com', 2022, 9);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (52, 'Emma', 'Brown', 'emma.brown@mail.com', 2021, 11);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (53, 'Jackson', 'Adams', 'jackson.adams@mail.com', 2020, 13);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (54, 'Ella', 'Thompson', 'ella.thompson@mail.com', 2023, 15);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (55, 'Daniel', 'Smith', 'daniel.smith@mail.com', 2022, 17);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (56, 'Liam', 'Davis', 'liam.davis@mail.com', 2021, 19);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (57, 'Avery', 'Wilson', 'avery.wilson@mail.com', 2020, 21);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (58, 'Scarlett', 'King', 'scarlett.king@mail.com', 2023, 23);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (59, 'Julian', 'Harris', 'julian.harris@mail.com', 2022, 25);
```

```
INSERT INTO students (student_id, first_name, last_name, email, enrollment_year, program_id)
VALUES (60, 'Elena', 'Scott', 'elena.scott@mail.com', 2021, 27);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (1, 'John', 'Smith', 'john.smith@mail.com', 1);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (2, 'Emily', 'Johnson', 'emily.johnson@mail.com', 2);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (3, 'Michael', 'Williams', 'michael.williams@mail.com', 3);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (4, 'Sophia', 'Brown', 'sophia.brown@mail.com', 4);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (5, 'David', 'Jones', 'david.jones@mail.com', 5);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (6, 'Olivia', 'Garcia', 'olivia.garcia@mail.com', 6);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
```

```
VALUES (7, 'William', 'Martinez', 'william.martinez@mail.com', 7);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (8, 'Ava', 'Hernandez', 'ava.hernandez@mail.com', 8);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (9, 'James', 'Lopez', 'james.lopez@mail.com', 9);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (10, 'Charlotte', 'Gonzalez', 'charlotte.gonzalez@mail.com', 10);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (11, 'Benjamin', 'Wilson', 'benjamin.wilson@mail.com', 11);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (12, 'Isabella', 'Anderson', 'isabella.anderson@mail.com', 12);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (13, 'Ethan', 'Thomas', 'ethan.thomas@mail.com', 13);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (14, 'Mia', 'Taylor', 'mia.taylor@mail.com', 14);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (15, 'Daniel', 'Moore', 'daniel.moore@mail.com', 15);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (16, 'Amelia', 'Jackson', 'amelia.jackson@mail.com', 16);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)  
VALUES (17, 'Alexander', 'Martin', 'alexander.martin@mail.com', 17);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (18, 'Grace', 'Lee', 'grace.lee@mail.com', 18);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (19, 'Henry', 'Perez', 'henry.perez@mail.com', 19);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (20, 'Zoe', 'Thompson', 'zoe.thompson@mail.com', 20);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (21, 'Samuel', 'White', 'samuel.white@mail.com', 21);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (22, 'Harper', 'Harris', 'harper.harris@mail.com', 22);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (23, 'Owen', 'Clark', 'owen.clark@mail.com', 23);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (24, 'Ella', 'Lewis', 'ella.lewis@mail.com', 24);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (25, 'Liam', 'Young', 'liam.young@mail.com', 25);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (26, 'Scarlett', 'Allen', 'scarlett.allen@mail.com', 26);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (27, 'Julian', 'King', 'julian.king@mail.com', 27);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (28, 'Elena', 'Wright', 'elena.wright@mail.com', 28);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (29, 'Aiden', 'Scott', 'aiden.scott@mail.com', 29);
```

```
INSERT INTO professors (professor_id, first_name, last_name, email, department_id)
VALUES (30, 'Natalie', 'Baker', 'natalie.baker@mail.com', 30);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (1, 'Introduction to English Literature', 3, 1, 1);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (2, 'Shakespearean Studies', 4, 1, 1);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (3, 'World History', 3, 2, 2);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (4, 'Modern European History', 3, 2, 2);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (5, 'Fundamentals of Physics', 4, 3, 3);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (6, 'Quantum Mechanics', 5, 3, 3);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (7, 'Organic Chemistry', 4, 4, 4);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
```

```
VALUES (8, 'Analytical Chemistry', 3, 4, 4);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (9, 'Cell Biology', 3, 5, 5);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (10, 'Genetics and Evolution', 3, 5, 5);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (11, 'Structural Engineering', 4, 6, 6);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (12, 'Geotechnical Engineering', 4, 6, 6);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (13, 'Thermodynamics', 4, 7, 7);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (14, 'Fluid Mechanics', 3, 7, 7);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (15, 'Digital Circuits and Systems', 3, 8, 8);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (16, 'Embedded Systems', 4, 8, 8);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (17, 'Principles of Business Management', 3, 9, 9);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)  
VALUES (18, 'Corporate Finance', 3, 9, 9);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (19, 'Microeconomics', 3, 10, 10);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (20, 'Macroeconomics', 4, 10, 10);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (21, 'Financial Accounting', 4, 11, 11);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (22, 'Managerial Accounting', 3, 11, 11);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (23, 'General Medicine', 5, 12, 12);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (24, 'Clinical Procedures', 4, 12, 12);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (25, 'Nursing Fundamentals', 4, 13, 13);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (26, 'Pharmaceutical Chemistry', 4, 14, 14);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (27, 'International Law', 4, 15, 15);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (28, 'Educational Psychology', 3, 17, 17);
```



```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (29, 'Media Ethics and Law', 3, 26, 26);
```

```
INSERT INTO courses (course_id, name, credits, department_id, professor_id)
VALUES (30, 'Veterinary Pathology', 4, 30, 30);
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (1, 'Spring 2020', '2020-01-10', '2020-05-10');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (2, 'Fall 2020', '2020-09-01', '2020-12-18');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (3, 'Spring 2021', '2021-01-15', '2021-05-15');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (4, 'Fall 2021', '2021-09-01', '2021-12-20');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (5, 'Spring 2022', '2022-01-12', '2022-05-12');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (6, 'Fall 2022', '2022-09-05', '2022-12-22');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (7, 'Spring 2023', '2023-01-08', '2023-05-08');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
VALUES (8, 'Fall 2023', '2023-09-06', '2023-12-19');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)
```

```
VALUES (9, 'Spring 2024', '2024-01-10', '2024-05-10');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)  
VALUES (10, 'Fall 2024', '2024-09-02', '2024-12-18');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)  
VALUES (11, 'Spring 2025', '2025-01-12', '2025-05-12');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)  
VALUES (12, 'Fall 2025', '2025-09-05', '2025-12-22');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)  
VALUES (13, 'Spring 2026', '2026-01-08', '2026-05-08');
```

```
INSERT INTO semesters (semester_id, name, start_date, end_date)  
VALUES (14, 'Fall 2026', '2026-09-06', '2026-12-19');
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (1, 1, 1, 1);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (2, 2, 3, 1);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (3, 3, 5, 2);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (4, 4, 7, 2);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (5, 5, 9, 3);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (6, 6, 11, 3);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (7, 7, 13, 4);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (8, 8, 15, 4);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (9, 9, 17, 5);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (10, 10, 19, 5);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (11, 11, 21, 6);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (12, 12, 23, 6);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (13, 13, 25, 7);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (14, 14, 27, 7);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (15, 15, 29, 8);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (16, 16, 1, 8);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (17, 17, 3, 9);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (18, 18, 5, 9);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (19, 19, 7, 10);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (20, 20, 9, 10);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (21, 21, 11, 11);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (22, 22, 13, 11);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (23, 23, 15, 12);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (24, 24, 17, 12);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (25, 25, 19, 13);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
```

```
VALUES (26, 26, 21, 13);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (27, 27, 23, 14);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (28, 28, 25, 14);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (29, 29, 27, 1);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (30, 30, 29, 1);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (31, 31, 1, 2);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (32, 32, 3, 2);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (33, 33, 5, 3);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (34, 34, 7, 3);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (35, 35, 9, 4);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)  
VALUES (36, 36, 11, 4);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (37, 37, 13, 5);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (38, 38, 15, 5);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (39, 39, 17, 6);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (40, 40, 19, 6);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (41, 41, 21, 7);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (42, 42, 23, 7);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (43, 43, 25, 8);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (44, 44, 27, 8);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (45, 45, 29, 9);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (46, 46, 1, 9);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (47, 47, 3, 10);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (48, 48, 5, 10);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (49, 49, 7, 11);
```

```
INSERT INTO enrollments (enrollment_id, student_id, course_id, semester_id)
VALUES (50, 50, 9, 11);
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (1, 1, 6, '2020-05-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (2, 2, 5, '2020-05-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (3, 3, 4, '2020-12-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (4, 4, 3, '2020-12-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (5, 5, 2, '2021-05-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (6, 6, 6, '2021-05-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
```

```
VALUES (7, 7, 5, '2021-12-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (8, 8, 4, '2021-12-24');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (9, 9, 3, '2022-05-15');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (10, 10, 2, '2022-05-17');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (11, 11, 6, '2022-12-19');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (12, 12, 5, '2022-12-21');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (13, 13, 4, '2023-05-10');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (14, 14, 3, '2023-05-12');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (15, 15, 2, '2023-12-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (16, 16, 6, '2023-12-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (17, 17, 5, '2024-05-14');
```



```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (18, 18, 4, '2024-05-16');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (19, 19, 3, '2024-12-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (20, 20, 2, '2024-12-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (21, 21, 6, '2025-05-13');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (22, 22, 5, '2025-05-15');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (23, 23, 4, '2025-12-19');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (24, 24, 3, '2025-12-21');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (25, 25, 2, '2026-05-11');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (26, 26, 6, '2026-05-13');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (27, 27, 5, '2026-12-17');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (28, 28, 4, '2026-12-19');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (29, 29, 3, '2020-05-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (30, 30, 2, '2020-12-19');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (31, 31, 6, '2021-05-14');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (32, 32, 5, '2021-12-21');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (33, 33, 4, '2022-05-16');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (34, 34, 3, '2022-12-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (35, 35, 2, '2023-05-11');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (36, 36, 6, '2023-12-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (37, 37, 5, '2024-05-15');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
```

```
VALUES (38, 38, 4, '2024-12-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (39, 39, 3, '2025-05-14');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (40, 40, 2, '2025-12-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (41, 41, 6, '2026-05-12');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (42, 42, 5, '2026-12-21');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (43, 43, 4, '2020-05-13');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (44, 44, 3, '2020-12-20');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (45, 45, 2, '2021-05-16');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (46, 46, 6, '2021-12-22');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (47, 47, 5, '2022-05-18');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)  
VALUES (48, 48, 4, '2022-12-19');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (49, 49, 3, '2023-05-14');
```

```
INSERT INTO grades (grade_id, enrollment_id, grade, date_assigned)
VALUES (50, 50, 2, '2023-12-21');
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (1, 'Science Hall', '101', 30);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (2, 'Science Hall', '102', 25);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (3, 'Science Hall', '201', 40);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (4, 'Engineering Building', '301', 50);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (5, 'Engineering Building', '302', 45);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (6, 'Engineering Building', '401', 35);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (7, 'Business Center', '101', 30);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (8, 'Business Center', '102', 25);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (9, 'Business Center', '201', 40);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (10, 'Law Building', '301', 50);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (11, 'Law Building', '302', 45);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (12, 'Law Building', '401', 35);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (13, 'Medical School', '101', 60);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (14, 'Medical School', '102', 55);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (15, 'Medical School', '201', 45);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (16, 'Computer Science Hall', '101', 40);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (17, 'Computer Science Hall', '102', 35);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (18, 'Computer Science Hall', '201', 50);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
```

```
VALUES (19, 'Liberal Arts Building', '101', 30);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (20, 'Liberal Arts Building', '102', 25);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (21, 'Liberal Arts Building', '201', 40);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (22, 'Fine Arts Center', '301', 50);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (23, 'Fine Arts Center', '302', 45);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (24, 'Fine Arts Center', '401', 35);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (25, 'Mathematics Building', '101', 30);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (26, 'Mathematics Building', '102', 25);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (27, 'Mathematics Building', '201', 40);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (28, 'Chemistry Lab', '101', 20);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)  
VALUES (29, 'Physics Lab', '201', 25);
```

```
INSERT INTO classrooms (classroom_id, building, room_number, capacity)
VALUES (30, 'Engineering Workshop', '301', 30);
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (1, 1, 1, 'Monday', '08:00', '09:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (2, 2, 2, 'Monday', '10:00', '11:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (3, 3, 3, 'Tuesday', '09:00', '10:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (4, 4, 4, 'Tuesday', '13:00', '14:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (5, 5, 5, 'Wednesday', '11:00', '12:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (6, 6, 6, 'Wednesday', '14:00', '15:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (7, 7, 7, 'Thursday', '08:30', '10:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (8, 8, 8, 'Thursday', '10:30', '12:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (9, 9, 9, 'Friday', '13:00', '14:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (10, 10, 10, 'Friday', '15:00', '16:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (11, 11, 11, 'Monday', '09:00', '10:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (12, 12, 12, 'Monday', '13:00', '14:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (13, 13, 13, 'Tuesday', '10:00', '11:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (14, 14, 14, 'Tuesday', '14:30', '16:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (15, 15, 15, 'Wednesday', '08:00', '09:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (16, 16, 16, 'Wednesday', '11:30', '13:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (17, 17, 17, 'Thursday', '09:30', '11:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (18, 18, 18, 'Thursday', '13:00', '14:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
VALUES (19, 19, 19, 'Friday', '10:00', '11:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)
```



```
VALUES (20, 20, 20, 'Friday', '14:00', '15:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (21, 21, 21, 'Monday', '12:00', '13:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (22, 22, 22, 'Monday', '15:00', '16:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (23, 23, 23, 'Tuesday', '09:00', '10:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (24, 24, 24, 'Tuesday', '11:30', '13:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (25, 25, 25, 'Wednesday', '13:30', '15:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (26, 26, 26, 'Wednesday', '16:00', '17:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (27, 27, 27, 'Thursday', '08:00', '09:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (28, 28, 28, 'Thursday', '11:00', '12:30');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (29, 29, 29, 'Friday', '10:30', '12:00');
```

```
INSERT INTO schedules (schedule_id, course_id, classroom_id, day_of_week, start_time, end_time)  
VALUES (30, 30, 30, 'Friday', '13:30', '15:00');
```

```
ALTER TABLE payments MODIFY method VARCHAR(50);
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (1, 1, 1500.00, '2023-01-10', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (2, 2, 2000.00, '2023-02-15', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (3, 3, 1800.00, '2023-03-05', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (4, 4, 2200.00, '2023-04-20', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (5, 5, 2500.00, '2023-05-18', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (6, 6, 1750.00, '2023-06-22', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (7, 7, 1600.00, '2023-07-10', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (8, 8, 1900.00, '2023-08-05', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (9, 9, 2100.00, '2023-09-12', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
```

```
VALUES (10, 10, 2300.00, '2023-10-08', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (11, 11, 1700.00, '2023-11-02', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (12, 12, 1850.00, '2023-12-20', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (13, 13, 1550.00, '2024-01-11', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (14, 14, 1750.00, '2024-02-14', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (15, 15, 2400.00, '2024-03-07', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (16, 16, 2600.00, '2024-04-25', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (17, 17, 1500.00, '2024-05-13', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (18, 18, 1800.00, '2024-06-30', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (19, 19, 2200.00, '2024-07-08', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)  
VALUES (20, 20, 1950.00, '2024-08-15', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (21, 21, 2100.00, '2024-09-21', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (22, 22, 2300.00, '2024-10-18', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (23, 23, 1750.00, '2024-11-22', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (24, 24, 1900.00, '2024-12-01', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (25, 25, 2500.00, '2025-01-17', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (26, 26, 1650.00, '2025-02-20', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (27, 27, 2000.00, '2025-03-28', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (28, 28, 2250.00, '2025-04-15', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (29, 29, 2400.00, '2025-05-30', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (30, 30, 1550.00, '2025-06-22', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (31, 1, 1600.00, '2020-01-12', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (32, 2, 1750.00, '2020-02-18', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (33, 3, 1850.00, '2020-03-25', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (34, 4, 2000.00, '2020-04-10', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (35, 5, 2200.00, '2020-05-05', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (36, 6, 1500.00, '2020-06-15', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (37, 7, 1950.00, '2020-07-20', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (38, 8, 2100.00, '2020-08-10', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (39, 9, 2500.00, '2020-09-18', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (40, 10, 1800.00, '2020-10-22', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
```

VALUES (41, 11, 1750.00, '2020-11-30', 'Cash');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (42, 12, 2000.00, '2020-12-05', 'PayPal');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (43, 13, 1950.00, '2021-01-15', 'Credit Card');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (44, 14, 2150.00, '2021-02-19', 'Bank Transfer');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (45, 15, 1700.00, '2021-03-25', 'Cash');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (46, 16, 2250.00, '2021-04-10', 'PayPal');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (47, 17, 1600.00, '2021-05-05', 'Credit Card');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (48, 18, 2400.00, '2021-06-15', 'Bank Transfer');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (49, 19, 1550.00, '2021-07-20', 'Cash');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (50, 20, 1950.00, '2021-08-10', 'PayPal');

INSERT INTO payments (payment\_id, student\_id, amount, payment\_date, method)  
VALUES (51, 21, 1850.00, '2021-09-18', 'Credit Card');

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (52, 22, 2500.00, '2021-10-22', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (53, 23, 1750.00, '2021-11-30', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (54, 24, 2000.00, '2021-12-05', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (55, 25, 2100.00, '2022-01-12', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (56, 26, 1650.00, '2022-02-20', 'Bank Transfer');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (57, 27, 1950.00, '2022-03-10', 'Cash');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (58, 28, 1750.00, '2022-04-25', 'PayPal');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (59, 29, 2000.00, '2022-05-30', 'Credit Card');
```

```
INSERT INTO payments (payment_id, student_id, amount, payment_date, method)
VALUES (60, 30, 1800.00, '2022-06-18', 'Bank Transfer');
```

```
SELECT * FROM students
```

