



# DATABASE PROGRAMMING

## Instructions

- Complete all tasks below.
- **TOPIC:** INTRODUCTION TO DATABASES

## QUESTION

1. Write a SQL statement to create a database called `school_management`.
2. After creating the `school_management` database, write the SQL command to use this database.
3. Write SQL statements to create the following tables in the `school_management` database:
  - i. Write a SQL statement to create a table called `students` with the following columns:
    - o `student_id` (integer, primary key, auto-increment)
    - o `first_name` (varchar, up to 50 characters)
    - o `last_name` (varchar, up to 50 characters)
    - o `email` (varchar, up to 100 characters)
  - ii. Write a SQL statement to create a table called `courses` with the following columns:
    - a. `course_id` (integer, primary key, auto-increment)
    - b. `course_name` (varchar, up to 100 characters, NOT NULL)
    - c. `credits` (integer)
  - iii. Write a SQL statement to create a table called `enrollments` that connects students to courses:
    - a. `enrollment_id` (integer, primary key, auto-increment)
    - b. `student_id` (integer, foreign key referencing `students(student_id)`)

c. `course_id` (integer, foreign key referencing `courses(course_id)`)

4. Write a SQL statement to show all tables in the `school_management` database.
5. Write a SQL statement to drop the `school_management` database if it exists.

***END***