DIT I Test 1 2024 CSS063

Create a new database named "University". Then perform the following task

1. Create a table named "Students" with columns for student ID (INT), name (varchar), and age (integer), sex (Char). Student age must be greater than 18. Student name, should not exceed 20 characters. The sex column should accept ("F" and "M") values only

2. Add a primary key constraint to the "Students" table on the student ID column.

3. Create a table named "Courses" with columns for course ID (INT), course name (varchar), and instructor (varchar). Add a unique constraint to the course name column in the "Courses" table.

4. Create a table named "Enrollments" with columns for enrollment ID (integer), student ID (integer), course ID (integer), and enrollment date (date).

5. Add foreign key constraints to the "Enrollments" table for the student ID (references Students) and course ID (references Courses) columns.

6. Insert a new enrollment into the "Enrollments" table for student ID 101, course ID 1, and enrollment date "2024-04-24".

7. Update the age of the student with ID 101 to 21.

8. Delete the enrollment with an enrollment ID of 1 from the "Enrollments" table.

9. Increase the length of the course name column in the "Courses" table to 50 characters.

10. Alter the "Student" table to add a new column for email (varchar).