

SQL Assignment

Question 1: Database Creation and Table Creation

You are required to create a database called **university_db**, then create a table named **students** to store student information for a university.

The table must contain the following columns:

- **student_id** – an integer that uniquely identifies each student.
- **full_name** – a text field that must always have a value.
- **email** – a text field that must be unique.
- **age** – an integer that must be 18 or older.
- **registration_date** – stores the date when the student is registered.
- **registration_time** – stores the time when the student is registered.
- **created_at** – stores the exact date and time when the record is created.

Apply the following rules:

- The **student_id** must be the **PRIMARY KEY**.
 - The **student_id** must increase automatically.
 - The **full_name** must not be NULL.
 - The **email** must be UNIQUE.
 - The **age** must satisfy a CHECK condition.
 - The **registration_date** should default to the current date.
 - The **registration_time** should default to the current time.
 - The **created_at** should default to the current date and time.
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Question 2: Data Insertion

Write SQL statements to insert **three different students** into the **students** table.

Rules:

1. Do not manually insert values for the auto-increment column.
2. At least one insert statement should rely on DEFAULT values.
3. All constraints must be respected.

