LU07.S02 - SQL-DDL: Table Management

Case studies / Assignments

Task A: CREATE TABLE

Create a table called employees with the following columns:

- employee_id (INT) as the primary key
- first_name (VARCHAR 50)
- last_name (VARCHAR 50)
- hire_date (DATE)
- salary (DECIMAL)

```
CREATE TABLE employees (
  employee_id INT PRIMARY KEY,
  first_name VARCHAR(50),
  last_name VARCHAR(50),
  hire_date DATE,
  salary DECIMAL(10,2)
);
```

Task B: CREATE TABLE

Create a table called products to store inventory information. The table should have:

- product_id (INT) as an auto-incrementing primary key
- product_name (VARCHAR 100)
- category (VARCHAR 50)
- price (DECIMAL)
- stock_quantity (INT)

```
CREATE TABLE products (
  product_id INT AUTO_INCREMENT PRIMARY KEY,
  product_name VARCHAR(100),
  category VARCHAR(50),
  price DECIMAL(10,2),
  stock_quantity INT
);
```

Task C: ALTER TABLE

Add a new column email (VARCHAR 100) to the employees table.

```
ALTER TABLE employees
```

```
ADD COLUMN email VARCHAR(100);
```

TASK D: MODIFY COLUMN

Change the salary column's data type to FLOAT in the employees table.

```
ALTER TABLE employees
MODIFY COLUMN salary FLOAT;
```

TASK E: DROP COLUMN

Remove the stock_quantity column from the products table.

```
ALTER TABLE products
DROP COLUMN stock_quantity;
```

TASK F: DROP TABLE

Completely remove the products table from the database.

```
DROP TABLE products;
```

Vocabulary

English	German
…	…
…	…