

# LU06.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
...	...
...	...



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Last update: **2024/09/27 14:52**

