

# LU04.A07 - ERD: Reengineering of a existing database

From time to time, we may need to analyze an existing database in order to optimize the structure, e.g. for the next software version.

## Prerequisites

- Work type: Peer
- Means of aid: [W3Schools-SQL-Editor](#)
- Timeframe: 45 Minutes
- Expected result: ERD as a PDF-File, that describes the content of the given date-base in Crow's Foot Notation.

## Task

Go to the W3Schools-Website, to the SQL-Editor, and analyze the existing data-structure. Create furthermore an ERD, that describes the existing data-structure in the Crow's Foot Notation.

Tablenames	Records
<a href="#">Customers</a>	91
<a href="#">Categories</a>	8
<a href="#">Employees</a>	10
<a href="#">OrderDetails</a>	518
<a href="#">Orders</a>	196
<a href="#">Products</a>	77
<a href="#">Shippers</a>	3
<a href="#">Suppliers</a>	29

1. Identify all enties.
2. Add the attributes and the corresponding data-types to each entity.
3. Relate the tables to each other by analysing the primary keys and the foreign keys.

## Solution

[Lösung](#)

## Vocabulary

English	German
prerequisite	Grundvoraussetzung

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English	German
given	gegebene, vorausgesetzt



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