

# LU04.S07 - ERD: Reengineering of a existing database

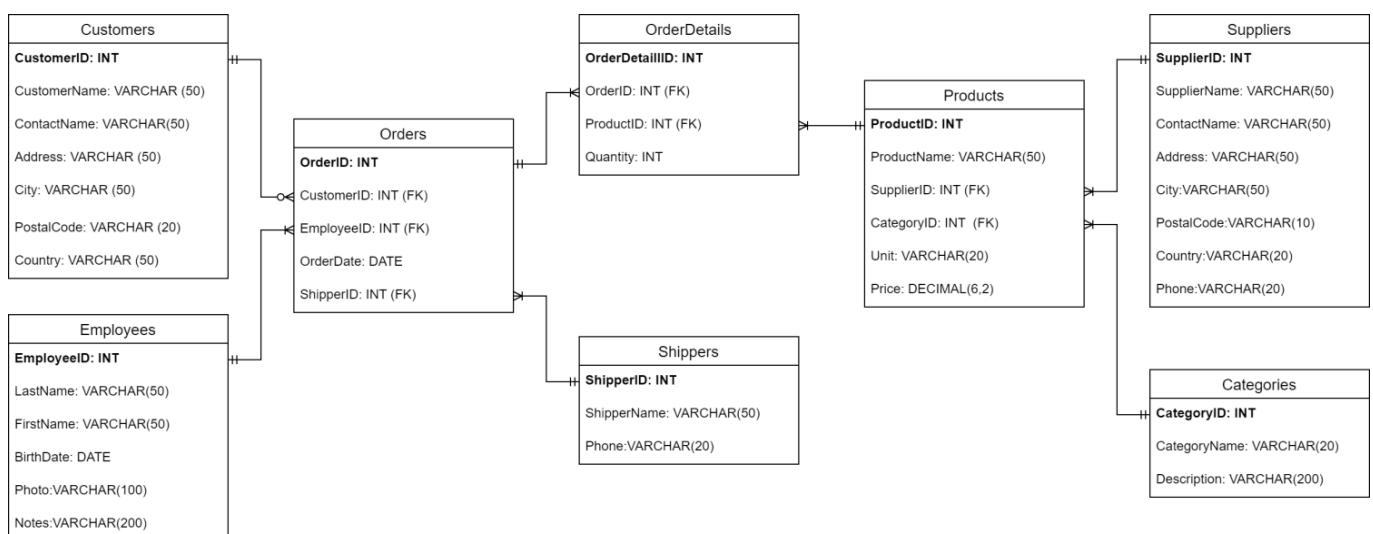
## Task

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.

## Suggested approach

- We beginn the diagramm by identifying the entities. these are tables without any foreign keys:
  - Customers
  - Categories
  - Employees
  - Shippers
  - Suppliers
- Then we determine the attributes and the data-types of each entity (-table).
- We continue with the analysis of the relations. These are tables, which have foreign keys in their attribute list.
  - Orders
  - OrderDetails
  - Products
- Finally, we connect the tables with each other in the right fashion and determine the cardinalities (1:1, 1:n, n:m)

## Solution



## Vocabulary

English	German
prerequisite	Grundvoraussetzung
given	gegebene, vorausgesetzt
to determine	bestimmen
suggested approach	Vorgehensvorschlag

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