

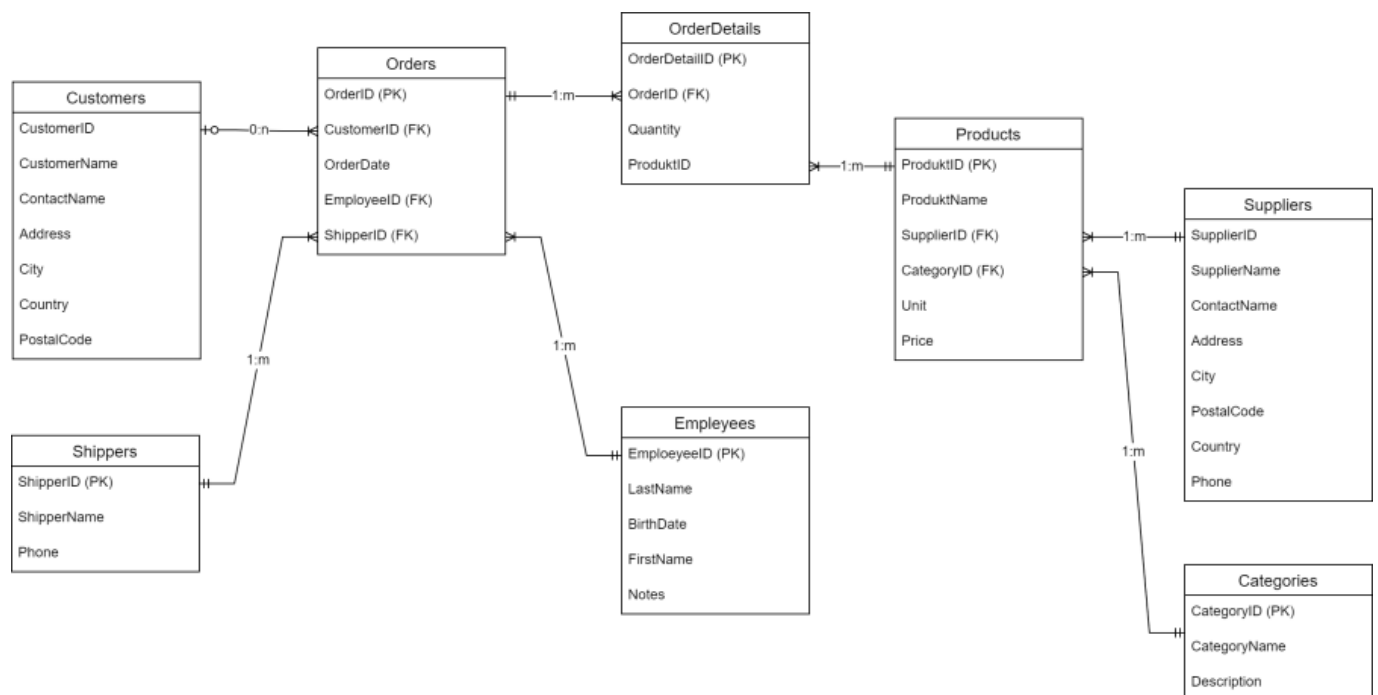
# LU04.A02 - SQL-DQL: Select from multiple tables

## Requirements

- Work type: individual
- Timeframe: 20 Minutes
- Means of aid:
  - only teaching materials, no websearch, no use of ai.
  - [W3Schools | SQL Editor](#)
- Expected result: Semantically and syntactically correct SQL statements according to the requirements of the case studies.

## Case studies / Assignments

The following ERD describes a order database for a a shop.



## Assignments

Your general assignment is to develop DQL commands that match the requirements below:

- a) We need a list with product details as following:
  - Supplier name
  - Supplier phone
  - ProductID

- ProductName
- Units
- Price
- Ordered by SupplierName descending

```
SELECT s.SupplierName, s.SupplierID, s.phone, p.ProductID, p.ProductName, p.Unit, p.Price
FROM Suppliers s, Products p
WHERE p.SupplierID = s.SupplierID
ORDER BY s.SupplierName DESC;
```

- a) Extend the select, so that the list contains only have the products of the supplier „Karrki OY“ on our list.

There are two possible solutions. The first one is to search for the ID (SupplierID = 20) of the supplier and take that ID into our SELECT as follows:

```
SELECT s.SupplierName, s.SupplierID, s.phone, p.ProductID, p.ProductName, p.Unit, p.Price
FROM Suppliers s, Products p
WHERE p.SupplierID = s.SupplierID
AND s.SupplierID = 20;
```

```
SELECT s.SupplierName, s.SupplierID, s.phone, p.ProductID, p.ProductName, p.Unit, p.Price
FROM Suppliers s, Products p
WHERE p.SupplierID = s.SupplierID
ORDER BY s.SupplierName DESC;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL >

Result:

Number of Records: 77

SupplierName	SupplierID	phone	ProductID	ProductName	Unit	Price
Zaanse Snoepfabriek	22	(12345) 1212	48	Chocolade	10 pkgs.	12.75
Zaanse Snoepfabriek	22	(12345) 1212	47	Zaanse koeken	10 - 4 oz boxes	9.5
Tokyo Traders	4	(03) 3555-5011	9	Mishi Kobe Niku	18 - 500 g pkgs.	97
Tokyo Traders	4	(03) 3555-5011	74	Longlife Tofu	5 kg pkg.	10
Tokyo Traders	4	(03) 3555-5011	10	Ikura	12 - 200 ml jars	31

===== LU04.A01 - SQL-DQL: Select from one table =====

\* b) Generate a list with ProductNames, Price and SupplierIDs within a price range of 20 and 45, sorted the Price and SupplierID, both ascending.

\* c) Find all employees who graduated from a university. The relevant information is hidden in the table Employees, within the columns Notes.

## Solution

Lösung

## Vocabulary

English	German
respectively	beziehungsweise
assignment	Auftrag



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