

LU04.A01 - SQL : DQL commands

Requirements

- Work type: individual
- Timeframe: 15 Minutes
- Means of aid:
 - only teaching materials, no websearch, no use of ai.
 - [W3Schools](#) | [SQL Editor](#)
- Expected result: Sementically and syntactically SQL statements according to the requirements of the case studies. The resultset match the specified template.

Case studies / Asignments

Go to the W3-Schools SQL Editore and develop DQL commands to the following requirements

Assignment a)

Create a adres-list of the customers with the columns in this order: CustomerName, Adress, PostalCode, Country, ordered by the the Country ascending.

```
Select CustomerName, Address, PostalCode, Country
from customers
order by country;
```

Number of Records: 91

| CustomerName | Address | PostalCode | Country |
|----------------------------|-------------------------------------|------------|-----------|
| Rancho grande | Av. del Libertador 900 | 1010 | Argentina |
| Océano Atlántico Ltda. | Ing. Gustavo Moncada 8585 Piso 20-A | 1010 | Argentina |
| Cactus Comidas para llevar | Cerrito 333 | 1010 | Argentina |
| Piccolo und mehr | Geislweg 14 | 5020 | Austria |
| Ernst Handel | Kirchgasse 6 | 8010 | Austria |
| Maison Dewey | Rue Joseph-Bens 532 | B-1180 | Belgium |
| Suprêmes délices | Boulevard Tirou, 255 | B-6000 | Belgium |
| Queen Cozinha | Alameda dos Canários, 891 | 05487-020 | Brazil |

Assignment b)

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

```
SELECT Price, Productname, Supplierid FROM Products
WHERE Price BETWEEN 20 AND 45
```

ORDER BY Price ASC, SupplierID ASC;

Result:

Number of Records: 28

| Price | Productname | Supplierid |
|-------|----------------------------------|------------|
| 20 | Maxilaku | 23 |
| 21 | Queso Cabrales | 5 |
| 21 | Gustaf's Knäckebröd | 9 |
| 21.05 | Louisiana Fiery Hot Pepper Sauce | 2 |
| 21.35 | Chef Anton's Gumbo Mix | 2 |
| 21.5 | Fløtemysost | 15 |
| 22 | Chef Anton's Cajun Seasoning | 2 |
| 23.25 | Tofu | 6 |

Assignment c)

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

```
SELECT * FROM Employees  
WHERE Notes LIKE "%grad%";
```

Number of Records: 2

| EmployeeID | LastName | FirstName | BirthDate | Photo | Notes |
|------------|----------|-----------|-----------|------------|--|
| 5 | Buchanan | Steven | 3/4/1955 | EmpID5.pic | Steven Buchanan graduated from St. Andrews University, Scotland, with a BSC degree. Upon joining the company as a sales representative, he spent 6 months in an orientation program at the Seattle office and then returned to his permanent post in London, where he was promoted to sales manager. Mr. Buchanan has completed the courses 'Successful Telemarketing' and 'International Sales Management'. He is fluent in French. |
| 6 | Suyama | Michael | 7/2/1963 | EmpID6.pic | Michael is a graduate of Sussex University (MA, economics) and the University of California at Los Angeles (MBA, marketing). He has also taken the courses 'Multi-Cultural Selling' and 'Time Management for the Sales Professional'. He is fluent in Japanese and can read and write French, Portuguese, and Spanish. |

Solution

Lösung

Vocabulary

| English | German |
|--------------|-----------------|
| respectively | beziehungsweise |



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