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 adress-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 Canàrios, 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 colums 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

Volkan Demir

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