



## SQL – Fundamentals and Queries

### Description

**Learn SQL** and master it! Revolutionize your data management with our **SQL Training**. Learn how to execute complex queries and fully leverage your relational databases, whether you're a beginner or already familiar with the basics.

This hands-on course will guide you from the fundamentals to advanced techniques, covering everything from executing simple queries to exporting data. With our **SQL database training**, become an expert in record time and turn your skills into a valuable asset for your career.

### Reference

SQL-01

### Course Content

#### Module 1 : Introduction to SQL Usage and Terminology

- What is SQL and What can SQL Do?
- SQL Keyword Command Language and Hierarchy
- Introduction and Usage of the Select Clause Statement

#### Module 2 : Executing A Simple Query

- Connect to a SQL Database
- Query a Database
- Save a Query
- Modify and Execute a Saved Query

#### Module 3 : Performing Queries Using Criteria Conditions

- Query Using One or More Conditions
- Query for a Range of Values and NULL Values
- Query Data Using Wildcard Characters
- Applying And/Or Operators
- Format Column Headings with Aliases
- Format Query Results Data

#### Module 4 : Summarizing Data with Mathematical Functions

- Perform Date Calculations
- Summarize Data Using Aggregate Functions
- Manipulate Text Results with String Functions

### **Module 5: Organizing Query Data Results**

- Sort Data with “Order By” Clause
- Group Data with “Group By” Clause
- Rank Data Using “Rank” Function
- Filter Grouped Data
- Summarize Grouped Data
- Use PIVOT and UNPIVOT Operators

### **Module 6 : Retrieving Data from Multiple Tables**

- Understanding SQL Joins
- Retrieve Data by Joining Tables
- Combine the Results of Two Queries
- Compare the Results of Two Queries
- Introduction into Sub-Queries

### **Module 7 : Exporting Query Results**

- Export to Excel Workbook
- Generate a Text File

### **Documentation**

- Digital courseware included

### **Participant profiles**

- Beginner to SQL

### **Prerequisites**

- No prerequisites

### **Objectives**

- Exploit the contents of a relational database essentially based on SELECT queries

### **Description**

SQL Training

### **Niveau**

Fondamental

### **Classroom Registration Price (CHF)**

2300

### **Virtual Classroom Registration Price (CHF)**

2150

### **Duration (in Days)**

3