# 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.

**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
**Reference**
SQL-01