



# SQL Database Training – Introduction

## Description

Discover our SQL database training designed for professionals who want to start learning database management skills. Through modules covering essential and advanced concepts such as data modeling, normalization, and performance optimization, you will gain a solid and practical understanding.

## Course Content

### Module 1: Introduction to databases

- Introduction to Relational Databases
- Other Databases and Storage
- Data Analysis
- SQL Server Database Languages

### Module 2: Data Modeling

- Data Modelling
- Designing a Database
- Relationship Modeling

### Module 3: Normalization

- Fundamentals of Normalization
- Normal Form
- Denormalization

### Module 4: Relationships

- Introduction to Relationships
- Planning Referential Integrity

### Module 5: Performance

- Indexing
- Query Performance
- Concurrency

## **Module 6: Database Objects**

- Tables
- Views
- Stored Procedures, Triggers and Functions

## **Lab / Exercises**

- Online Labs

## **Documentation**

- Digital courseware included

## **Participant profiles**

- People who are moving into a database role, or whose role has expanded to include database technologies
- Developers that deliver content from SQL Server databases will also benefit from this material

## **Prerequisites**

- No prerequisites

## **Objectives**

- Describe key database concepts in the context of SQL Server
- Describe database languages used in SQL Server
- Describe data modelling techniques
- Describe normalization and denormalization techniques
- Describe relationship types and effects in database design
- Describe the effects of database design on performance
- Describe commonly used database objects

## **Description**

SQL Database Training - Introduction

## **Niveau**

Fondamental

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

2500

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

2350

## **Duration (in Days)**

3

## **Reference**

55315AC