Introduction to SQL Databases

Description

This course is aimed at people looking to move into a database professional role or whose job role is expanding to encompass database elements. The course describes fundamental database concepts including database types, database languages, and database designs.

Classroom Registration Price (CHF)
2500
Virtual Classroom Registration Price (CHF)
2350
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

Niveau
Fondamental
Duration (in Days)
3
Reference
55315AC