



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

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Niveau

Fondamental

Classroom Registration Price (CHF)

2500

Virtual Classroom Registration Price (CHF)

2350

Duration (in Days)

3

Reference

55315AC