MOD+DMOC: INTRODUCTION TO SQL DATABASES (M10985)

Course Code: 4941

Learn fundamental database concepts for Microsoft SQL Server 2016.

In this course, you will learn fundamental database concepts for Microsoft SQL Server 2016, including database types, database languages and database designs.

This course incorporates material from the Official Microsoft Learning Product 10985: Introduction to SQL Databases.

Microsoft Official Course On-Demand (MOD) plus digital Microsoft Official Courseware (dMOC) includes three months, 24x7 access to:

- HD-quality streaming videos that adapt to your connection speed and device
- Hands-on live labs with integrated lab steps and ability to save and resume labs
- Knowledge checks for comprehensive assessments
- 24x7 mentoring via chat, email, and phone
- Digital Microsoft Official Courseware (dMOC); forever available in your Skillpipe Library when activated

Redeem three SATVs for an individual On-Demand course plus digital Microsoft Official Courseware (dMOC). For more information on Microsoft SATVs click here.

What You’ll Learn

- Key database concepts in the context of SQL Server 2016
- Database languages used in SQL Server 2016
- Data modeling techniques
- Normalization and denormalization techniques
- Relationship types and effects in database design
- Effects of database design on performance
- Commonly used database objects

Who Needs to Attend

- The primary audience for this course is people who are moving into a database role, or whose role has expanded to include database technologies.

Prerequisites

This is a foundation-level course and therefore only requires general computer
literacy.
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ON-DEMAND $1,095 USD 90 days

On-Demand Outline

1. Introduction to Databases
   • Relational databases
   • Other types of databases
   • Data analysis
   • Database languages

2. Data Modeling
   • ANSI/SPARC database model
   • Entity relationship modeling

3. Normalization
   • Normal Form
   • Denormalization

4. Relationships
   • Introduction to relationships
   • Planning referential integrity

5. Performance
   • Indexing
   • Query performance
   • Concurrency

6. Database Objects
   • Tables
   • Views
   • Stored procedures, triggers and functions
On-Demand Labs
Lab 1: Querying SQL Server
Lab 2: Identify components in entity relationship modeling
Lab 3: Normalizing data
Lab 4: Planning and implementing referential integrity
Lab 5: Performance issues
Lab 6: Using SQL Server

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Date created: 10/27/2019 8:36:46 PM
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