

SQL Server 2019 Database Design

Structured technical training and certification preparation

A practical, student-friendly outline covering designing and Building Tables, enforcing Data Integrity, indexing, stored Procedures, Functions, and Triggers, ...

MODULES

7

LESSONS

37

FORMAT

Self-paced

Module Breakdown

<p>MODULE 1</p> <p>Designing and Building Tables</p> <ul style="list-style-type: none">1.1 Course Introduction1.2 Module 1 Introduction1.3 Introduction to Database Design1.4 Creating Tables1.5 Data Types1.6 Schemas1.7 Altering Tables	<p>MODULE 2</p> <p>Enforcing Data Integrity</p> <ul style="list-style-type: none">2.1 Module 2 Introduction2.2 Introduction to Data Integrity2.3 Data Domain Integrity2.4 Implementing Data Domain Integrity2.5 Implementing Entity and Referential Integrity
<p>MODULE 3</p> <p>Indexing</p> <ul style="list-style-type: none">3.1 Module 3 Introduction3.2 Core Indexing Concepts3.3 Heaps, Clustered, and Nonclustered Indexes3.4 Data Types and Indexes3.5 Single Column and Composite Indexes	<p>MODULE 4</p> <p>Stored Procedures, Functions, and Triggers</p> <ul style="list-style-type: none">4.1 Module 4 Introduction4.2 Introduction to Database Programming4.3 Creating Stored Procedures4.4 Creating User-Defined Functions4.5 Creating Triggers

Module Breakdown (continued)

<p>MODULE 5</p> <p>Blob and Filestream Data</p> <ul style="list-style-type: none">5.1 Module 5 Introduction5.2 Introduction to Binary Data5.3 Considerations for BLOB data5.4 FILESTREAM Example5.5 File Table Example	<p>MODULE 6</p> <p>Full-Text Search</p> <ul style="list-style-type: none">6.1 Module 6 Introduction6.2 Introduction to Full-Text Search6.3 Full-Text Catalogs6.4 Full-Text Indexes6.5 Full-Text Queries
<p>MODULE 7</p> <p>Azure vs On-Prem</p> <ul style="list-style-type: none">7.1 Module 7 Introduction7.2 SQL Server on Azure VM7.3 Azure Managed SQL Instance7.4 Azure SQL Database7.5 Course Wrap Up	