SQL Querying: Fundamentals

Price: 545

Duration: 2 days

Delivery Methods: Virtual

Overview

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Organizations typically store their most critical information—the information used to manage day-to-day operations—within a database. The ability to retrieve and analyze this information is essential to the functioning of the organization. Structured Query Language (SQL) is the primary language used to accomplish such tasks. Essentially, SQL is the language you use to interact with a database.

The ability to write SQL is an essential job skill for those who need to manage large volumes of data, produce reports, mine data, or combine data from multiple sources. Even if someone else on your team creates reports for you, having a fundamental understanding of SQL querying will help you ask the right questions and know what you're looking for in your data analysis tools.

This course, *SQL Querying: Fundamentals (Third Edition)*, will teach you to use SQL as a tool to retrieve the information you need from databases.

Course Objectives:

In this course, you will compose SQL queries to retrieve desired information from a database.

You will:

- Connect to the SQL Server database and execute a simple query.
- Include a search condition in a simple query.
- Use various functions to perform calculations on data.
- Organize the data obtained from a query before it is displayed onscreen.

- Retrieve data from multiple tables.
- Export the results of a query.

Target Student:

This course is intended for individuals with basic computer skills, familiar with concepts related to database structure and terminology, who want to use SQL to query databases.

Lesson 1: Executing a Simple Query

 Topic A: Connect to the SQL Database

 Topic B: Query a Database

 Topic C: Save a Query

 Topic D: Modify and Execute a Saved Query

Lesson 2: Performing a Conditional Search

 Topic A: Search Using One or More Conditions

 Topic B: Search for a Range of Values and NULL Values

 Topic C: Search Data Based on String Patterns

Lesson 3: Working with Functions

 Topic A: Perform Date Calculations

 Topic B: Calculate Data Using Aggregate Functions

 Topic C: Manipulate String Values

Lesson 4: Organizing Data

 Topic A: Sort Data

 Topic B: Rank Data

Topic C: Group Data

Topic D: Filter Grouped Data

Topic E: Summarize Grouped Data

Topic F: Use PIVOT and UNPIVOT Operators

Lesson 5: Retrieving Data from Multiple Tables

Topic A: Combine the Results of Two Queries

Topic B: Compare the Results of Two Queries

Topic C: Retrieve Data by Joining Tables

Lesson 6: Exporting Query Results

Topic A: Generate a Text File

Topic B: Generate an XML File

Course Schedule

Date	Time	Price	Options
06/09/2026	08:00 AM - 04:00 PM CT	545.00	**Buy Now** **Enroll**
07/06/2026	08:00 AM - 04:00 PM CT	545.00	**Buy Now** **Enroll**

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