

SQL Querying: Advanced

Price: 545

Duration: 1 days

Delivery Methods: Virtual

Overview

In today's competitive environment, information is one of the most important factors in determining the success of an organization. If you are able to manage and retrieve information efficiently, you can streamline the organization's processes and give it a competitive edge. Some data analysis tasks may require that you query multiple tables simultaneously or create complex views of data.

In the course *SQL Querying: Fundamentals (Third Edition)*, you learned the basics of SQL querying. In this course, you will build on this foundation, learning advanced querying techniques, such as writing nested queries and using views to simplify repetitive querying tasks. You will also learn how to perform common database administration tasks such as duplicating tables; modifying table structures; inserting, updating, or deleting data; and indexing tables to optimize query performance. You will also learn how to work with multiple tasks as a transaction.

Course Objectives:

In this course, you will construct advanced queries and apply them to data.

You will:

- Use nested queries to generate query output.
- Manipulate table data by inserting, modifying, and deleting data.
- Manipulate the structure of tables.
- Work with views to present data.
- Index data to improve querying efficiency.
- Manage database transactions.

Target Student:

This course is intended for individuals who have basic SQL skills and who want to expand their skillset with more advanced tasks.

Prerequisites:

To ensure your success in this course, you should have at least basic experience with SQL querying, including selecting data using conditions, working with functions, organizing data, and retrieving data from multiple tables. You can obtain this level of skills and knowledge by taking the following Logical Operations course:

- *SQL Querying: Fundamentals (Third Edition)*

Lesson 1: Using Nested Queries

Topic A: Search Based on Values from a Subquery

Topic B: Compare Values from a Subquery

Topic C: Search Based on the Existence of Records

Topic D: Generate Output Using Correlated Subqueries

Topic E: Filter Grouped Data Within Subqueries

Topic F: Perform Multiple-Level Subqueries

Lesson 2: Manipulating Table Data

Topic A: Insert Rows

Topic B: Modify and Delete Data

Lesson 3: Manipulating Table Structure

Topic A: Create a Table

Topic B: Create a Table with Constraints

Topic C: Modify a Table's Structure

Topic D: Delete Tables

Lesson 4: Working with Views

Topic A: Create a View

Topic B: Manipulate Data in Views

Topic C: Modify and Delete Views

Lesson 5: Indexing Data

Topic A: Create Indexes

Topic B: Drop Indexes

Lesson 6: Managing Transactions

Topic A: Define Transactions

Topic B: Commit Transactions

Course Schedule

Date	Time	Price	Options
05/18/2026	08:00 AM - 04:00 PM CT	545.00	Buy Now Enroll
07/16/2026	08:00 AM - 04:00 PM CT	545.00	Buy Now Enroll

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What happens when I finish my class?

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