

# 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
07/16/2026	08:00 AM - 04:00 PM CT	545.00	<a href="#">Buy Now</a> <a href="#">Enroll</a>

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### **What is your late policy?**

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