Course Outline | SQL Advanced Querying

1 day(s)

Overview

Students will learn advanced queries and how to add, update, and delete data, tables, views, and indexes.

Target Student

Students should already understand the basics of querying a database with the SQL command language. They should be comfortable issuing SELECT queries against one or more tables and understand query concepts, such as joins.

Benefits

Students will learn how to change, update and manipulate an SQL database.

Prerequisites

SQL Fundamentals of Querying or equivalent knowledge.

Course Outline

Querying with unions and advanced joins

- Querying multiple tables with unions
- Advanced Joins
- Calculating with COMPUTE

Querying with subqueries

- Subqueries

Adding data

- Inserting data
- SELECT INTO

Updating and removing data

- Updating records
- Deleting records
- Deleting the contents of tables

Manipulating tables and views

- Creating tables
- Modifying tables
- Deleting tables
- Adding and removing views

Ensuring data integrity with transactions

- Transactions

Creating databases

- Creating a database with SQL
- Deleting a database