

SQL Querying Advanced

OBJECTIVES

Work with advanced queries to manipulate and index tables, create transactions so that you can choose to save or cancel the data entry process, use subqueries to generate query output; manipulate table data by inserting and updating records in a table and deleting records from a table; manipulate the table structure; create views, manipulate data through views, modify the view structure, and drop views; create indexes on table columns and drop inefficient indexes; mark the beginning of a transaction, roll back a transaction, and commit a transaction.

Duration: 1 Day

1. **USE SUBQUERIES TO PERFORM ADVANCED QUERYING**

- Search Based on Unknown Values
- Compare a Value with Unknown Values
- Search Based on the Existence of Records
- Generate Output Using Correlated Subqueries
- Filter Grouped Data Within Subqueries
- Perform Multiple-Level Subqueries

2. **MANIPULATING TABLE DATA**

- Insert Data
- Modify and Delete Data

3. **MANIPULATING THE TABLE STRUCTURE**

- Create a Table
- Create a Table with Constraints
- Modify a Table's Structure
- Back Up Tables
- Delete Tables

4. **WORKING WITH VIEWS**

- Create a View
- Manipulate Data in Views
- Create Aliases
- Modify and Delete Views

5. **INDEXING DATA**

- Create Indexes
- Drop Indexes

6. **MANAGING TRANSACTIONS**

- Create Transactions
- Commit Transactions