
SQL Querying: Level 1

Fundamentals of Querying

Course Content

You have access to company databases and your job may require you to retrieve data from those databases. Retrieval of information from a database is dependent on precisely ordered logic and specific information. This course will help you to use Structured Query Language (SQL) as a tool

to implement that logic and define instructions.

Students will learn how to compose SQL queries to retrieve information from a database.

Lessons include the following:

- Executing a Simple Query
 - Connect to the SQL Database
 - Query a Database
 - Save a Query
 - Modify a Query
 - Execute a Saved Query
- Performing a Conditional Search
 - Search Using a Simple Condition
 - Compare Column Values
 - Search Using Multiple Conditions
 - Search for a Range of Values and Null Values
 - Retrieve Data Based on Patterns
- Working with Functions
 - Perform Date Calculations
 - Calculate Data Using Aggregate Functions
 - Manipulate String Values
- Organizing Data
 - Sort Data
 - Rank Data
 - Group Data
 - Filter Grouped Data
 - Summarize Grouped Data
 - Use PIVOT and UNPIVOT Operators
- Retrieving Data from Tables
 - Combine Results of Two Queries
 - Compare the Results of Two Queries
 - Retrieve Data by Joining Tables
 - Check for Unmatched Records
 - Retrieve Information from a Single Table Using Joins
- Presenting Query Results
 - Create and Edit Contacts
 - View and Print Contacts