

**Course Name****SQL: Fundamentals of Querying****Course Duration****One Day****Course Objectives**

This course covers how to compose SQL queries to retrieve desired information from a database.

**Course Content**

- **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**
  - Save the Query Result
  - Generate an XML Report

**Prerequisites**

Knowledge of Windows along with familiarity with using a keyboard and mouse is assumed. You should be familiar with concepts related to database structure and terminology.

**Interested in this course?**

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