

MS SQL 05 Fundamentals- 2 day

Prerequisites

In order to successfully master SQL, we recommend that HTML 4.0 have been completed. We also recommend knowledge of MS Access.

Introducing SQL

- Understanding Microsoft SQL
- Discussing client/server architecture
- Organizing data in Microsoft SQL
- Exploring Microsoft SQL
- Starting the SQL Server Query Analyzer
- Examining the Query Analyzer

Retrieving data from a table

- Selecting rows
- Selecting all rows and columns
- Selecting specific columns
- Changing column headings
- Selecting specific rows
- Selecting rows in a specific order
- Selecting rows with NULL values
- Selecting rows with unique values
- Summarizing data
- Using the GROUP BY clause
- Using the COMPUTE clause
- Using the COMPUTE BY clause

Using operators

- Using logical operators
- Using the AND operator
- Using the OR operator
- Using the NOT operator
- Using list operators
- Using the IN operator
- Using the NOT IN operator
- Using string operators
- Using the LIKE operator
- Using operators in conjunction

Using functions

- Using string functions
- Using the UPPER() function
- Using the SUBSTRING() function
- Using date functions
- Using the GETDATE() function
- Using the DATEDIFF() function
- Using the DATEADD() function
- Using the DATENAME() function

Using joins

- Joining tables
- Using an equi-join
- Using the natural join
- Using advanced joins
- Using the left outer join
- Using the self-join
- Using subqueries

Using subqueries

- Using a subquery to return single value
- Using a subquery to return multiple values
- Using a correlated subquery