



## Advanced Queries – SQL Server

### Course #3002

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### Course Details

**Length:** 2 days

**Prerequisite:** Meridium User

**Benefits:** You will build upon the basic query skills that you learned in the Meridium - User course.

**Audience:** Administrators, Implementers

### Overview

#### Utilizing Query Expressions

You will learn to use the Query Expression Builder to create complex queries. You will add calculated fields, parameters, and functions. You will build expressions to manipulate dates, convert field types, and apply formatting.

#### Working with Group Summaries

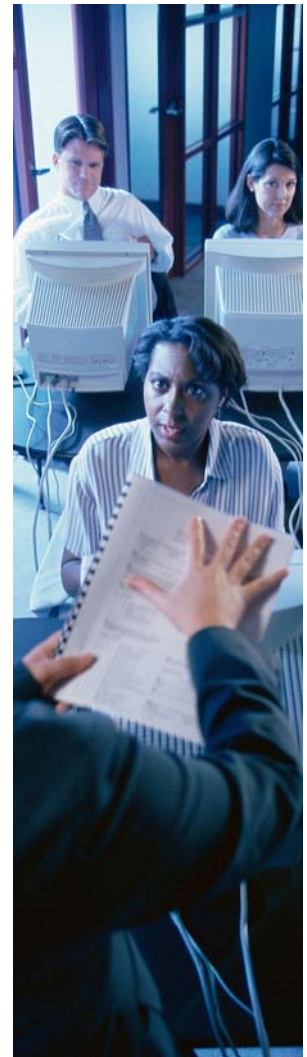
You will use expressions to maximize the summary capabilities of the Meridium Query Tools. You will use If-Then-Else logic to summarize multiple groupings, evaluate value ranges, and create running totals.

#### Query Prompts

You will learn how to utilize query prompts to enhance queries. You will build prompts that display concatenated field values in query results, or pass prompt values to other queries.

#### Query Hyperlinks

Meridium provides the ability to add hyperlinks to the query design that will pass parameters or launch additional queries, reports, or datasheets. You will learn how to build hyperlink menus that can organize and display multiple hyperlinks on a query field.





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#### Day One Training Agenda

##### Query Expressions

- Reviewing Expression Options
- Reviewing Date Functions
- Formatting Dates
- Reviewing Numeric Functions
- Adding the Currency Format
- Reviewing Character Functions
- Working with Character Data

##### Grouping and Summarizing Data

- Reviewing Aggregation Options
- Using the Group By Clause
- Using the Where and Having Clause
- Summing a formatted field
- Using IF-THEN-ELSE logic to combine groupings
- Using a combination of functions to evaluate a range of values
- Creating a Running Total Query

##### Manipulating Character Data

- Displaying alternate field values
- Counting field value lengths
- Replacing string characters

##### Working with Query Prompts

- Adding Static Pick-lists
- Adding Pick-lists based on a System Code table, a Stored Query, or Custom SQL
- Concatenating fields in a pick-list
- Including a wildcard or Alias in prompts
- Displaying prompt values in query results

#### Day Two Training Agenda

##### Using Hyperlinks in Queries

- URL syntax and parameters
- Adding a hyperlink to a datasheet
- Adding a hyperlink to launch another query and optionally, to pass parameters
- Use query hyperlinks to create new records, and optionally, to pass parameters
- Launching the Bulk Data Form from a query, and optionally, to pass parameters
- Adding Help Text and a Custom Header to the Bulk Data form
- Reviewing Query Tool URL options
- Modifying a Query Hyperlink on a Home Page to control Query Mode or the Prompt Header

##### Lab

You will utilize the skills you have learned in this course to complete a series of exercises.