

# Query Management Facility (QMF)

CDT640

This course provides a hands-on overview of the Query Management Facility.

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## Audience

- Prospective or ongoing QMF users

## Prerequisites

- Familiarity with SQL (CDT610), DB2 (CDT600) would be useful

## Course Length

- Four Days

## Learning Objectives

- To become fluent with QMF
- To be able to create reports
- To manage data queries

## Teaching Methods

- Lectures, hands-on workshops.

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## Course Outline

PC2

### QMF Overview

- What is QMF
- Components of QMF
- QMF Objects
- Work areas for QMF Objects
- QMF Panels
- QMF HOME Panel
- SQL QUERY Panel
- QMF COMMANDS
- PROMPT Panel
- The PROFILE Panel
- Temporary PROFILE changes
- PROMPTED QUERY Panel
- Permanent PROFILE changes
- How to get HELP

### Using Prompted Query

- PROMPTED QUERY Panel
- Select a Table
- Select Columns
- Run the Prompted Query
- Building a Query
- Specifying Columns
- Using Expressions
- Row Selection Conditions
- Viewing the Report
- Getting Summary Data
- Joining two Tables

### Introduction To SQL

- SELECT Statement
- Equalities and Inequalities in a WHERE Clause
- AND/OR Conditions
- The Use of Between
- The USE of IN
- The USE of LIKE "%XYZ%"
- The USE of LIKE "\_XYZ\_"
- JOIN Queries
- The UPDATE Statement
- The INSERT Statements
- The DELETE Statements
- CALCULATED VALUES

### Writing SQL Queries

- Reset the PROFILE and QUERY Panels
- QUERY Panel
- Writing an SQL Query
- DRAWing a Table
- Modifying a Query
- Running a Query to Produce REPORT
- How to View a Report
- Save a Query
- The INSERT Subcommand
- The DELETE Subcommand
- Displaying a Saved Query
- Using VARIABLES in a Query
- Variables Values

### Basic Report Formatting

- Default Report Format
- A Formatted Report
- FORM Terminology
- Reformatting a Report
- View a New Report
- Column Formatting
- USAGE: COUNT and SUM
- A Formatted Report
- FORM.COLUMNS Panel
- FORM.COLUMNS: Edit Code for Character Data
- FORM.COLUMNS: Aggregating USAGES
- FORM.COLUMNS: Detail Aggregating USAGES
- FORM.COLUMNS: GROUP Usage
- FORM.COLUMNS: ACROSS Usage

### Report Column Manipulation

- A Formatted Report
- Form Panel Associated with a Formatted Report
- Form.Columns Panel
- Form.Columns: Edit Code for Character Data

- Form.Columns: Aggregating USAGES
- Form.Columns: Detail Aggregating USAGES
- Form.Columns: Group Usage
- Form.Columns: Across Usage

### Complex Report Formatting

- A Plain Report
- Report Form Panel
- Full FORM.PAGE Panel
- Report enhancements
- FORM.PAGE
- FORM.BREAK
- FORM.BREAK2
- FORM.BREAK1
- FORM.FINAL
- FORM.OPTIONS

### COMMANDS, SUBCOMMANDS & PROCS

- QMF Commands Syntax
- QMF NAMES
- QMF Command Options
- The EXPORT Command Prompt Panel
- How EXPORT and IMPORT Works
- QMF Subcommands
- The DRAW Subcommand
- PROCedures (PROC)
- Creating and Saving a PROC
- Using VARIABLEs in a PROC
- Queries with Variables within a PROC
- Comments about PROCS