

Duration: 3 days

Course Number: DB2-05

Description

This class teaches students the concepts, skills, and techniques required to use the Query Management Facility (QMF) to access DB2 data. The concepts of DB2 are presented, and Structured Query Language (SQL) is taught as the means of accessing DB2 data. Upon successful completion of this class, students will be able to:

- Explain DB2 concepts, terminology and components.
- SELECT rows of data from DB2 tables using the WHERE clause to retrieve specific rows.
- Format QMF Reports by modifying the QMF FORM.
- Use such QMF Commands as LIST, RUN, SAVE/DISPLAY, EXPORT/IMPORT, SHOW.
- Build queries with the PROMPTED MODE.
- Join tables together to get information from each.
- Use the SQL SubSelect feature of SQL.
- Build QMF Reports beyond the basics using FORM.MAIN, FORM.PAGE, FORM.COLUMNS, FORM.FINAL, FORM.BREAK1-6, and the (form) LAYOUT command.
- Build QMF Reports using additional FORM features such as FORM.OPTIONS, FORM.DETAIL, FORM.CALC, and FORM.COND.
- Build QMF PROCedures to execute a series of QMF commands allowing for user input of data and SQL as variables.
- Use the QMF Table Edit facility to search through a table and to make changes to a table.
- Build SQL SELECT, INSERT and UPDATE statements using the QMF DRAW command.

Several guided, hands-on, practice sessions give students an opportunity to use QMF to build custom reports from DB2 data using the extensive powers of the QMF FORMs panels.

Audience

End-users and Information Technology personnel that need use the QMF to build reports from DB2 data.

Prerequisites

- TSO/ISPF, or equivalent experience.

Course Agenda

Day 1

DB2 Concepts and Terminology

- The SELECT Statement
- QMF Basics
- Hands-on Lab: QMF Report Formatting 1 – SELECT and QMF Basics

QMF PROMPTED Query - Introduction

- Join and SubSelect
- QMF PROMOTED Join 1
- QMF PROMOTED Join 2
- Hands-on Lab: QMF Report Formatting 1 – Join and SubSelect – SQL and/or PROMPTED

Day 2

QMF Report Formatting 1

- Hands-on Lab: QMF Report Formatting 1 – Basic Capabilities

QMF Report Formatting 2

- QMF Forms Show
- QMF Export Import
- QMF Form Detail
- Hands-on Lab: QMF Report Formatting 2 – FORM Detail

Day 3

QMF PROCs

- Hands-on Lab: QMF Report Formatting 1 – PROCs Multiple QMF Commands
- QMF PROCs – Variables as Data and as SQL components
- Hands-on Lab: QMF Report Formatting 2 – PROCs with Variables

QMF Table Editor

- Table Editor Searches
- Table Editor Changes
- Hands-on Lab: QMF Table Searches and Changes

QMF DRAW