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ILE COBOL/400 Programming for COBOL Programmers

(CB15)

5 Days (40% Lecture, 60% Workshop)

This course is designed for those with some knowledge of the COBOL programming language who need to understand the extensions made for IBM's version of ILE COBOL/400. A main focus is Database I/O and the way that COBOL/400 interacts with IBM i DDS (Data Description Specifications) to process Externally described database files and internally defined files. Additional Focus is placed on screen display files used for COBOL/400 interactive programming, as it replaces the common CICS programming model.

Prerequisites: Experience in writing COBOL programs. IBM *i (i*Series, *AS/400) Concepts and Facilities* (AS15) or equivalent experience.

Course Outline

Introduction

Batch programming in COBOL/400 DB2/400 Database Concepts File I/O Concepts Library List Concepts *LIBL Overriding Database File Options DDS Fundamentals Working with Indicators in COBOL Externally vs. Program Described Files

Interactive Programming Concepts

Conversational vs CICS
Pseudo-Conversational Method
Designing Display files
DDS for Display Files

Using the Screen Design Aid (SDA)

Creating Display Files
Defining Display Files in COBOL
Using Literals and I/O Data Fields
Function Key Management
Database Integration in Displays
Single and Multi-format Displays
User-friendly Pop-up Windows
COBOL/400 Design Issues

Defining and Using Display File Data Structures

Using Indicators Using the I-O Feedback Area Using File Status Codes

Error Handling and Informational Messaging

How to Use IBM API's for Fast, Efficient Messaging Create and Apply User Message Files Tailor Dynamic Messaging for Program-specific Edits

Modular Coding in ILE COBOL/400

Detecting, Handling and Avoiding File and Record Locking Problems

Advanced Screen Processing

Using Subfiles in COBOL
Types of Subfile Displays
Subfile Program Structure
Subfile vs. Non-subfile Implementations
DDS Keyword Interaction with
COBOL/400
Displaying a Subfile for Data Inquiry

Displaying a Subfile for Data Inquiry Subfile Loading Techniques Page-at-a-time vs. Full Load PageUp and PageDown Keys Record Selection and Positioning

For more information, call (314) 932-2430 or (800) 936-3140 Or e-mail info@400School.com