

IBM i (iSeries, AS/400) Control Language Programming Workshop

(CL44)

4 Days (40% Lecture, 60% Workshop)

This class provides a comprehensive introduction to the IBM i (AS/400) Control Language, and focuses on writing programs using CL. The students will write, test and debug numerous Control Language programs in increasing complexity. This class is current with all the newest Control Language enhancements and the latest IBM announcements. Testing, Troubleshooting and Debugging are a major focus

Prerequisites: *Introduction to Programming Concepts and Facilities Workshop (AS15)* or equivalent knowledge/experience.

Course Outline

Introduction to Control Language

What is CL?
As the JCL and CLIST Replacement
Command Names
Command Parameters
Using the Prompter F4=Prompt
Keyword and Positional Notation
The IBM i User Interface

Basic CL Programming

Creating CL Programs
CLP and CLLE Programs
Creating CLLE Modules
Structure of a CL Source Member
Declaring Variables
Manipulating Variables
CL Control Structures
Using Complex Expressions
Restart-ability - Controlling Workflow
Error Handling using MONMSG

Testing and Debugging

Using the CLP and CLLE Debuggers

Input/Output in a CL Program

Passing Parameters
Using external information
Using Files and Data Areas
Simple Display File Usage

Using *OUTFILES and QTEMP
File Override Processing

Error Handling and Messages

Understanding Message Files
Message Handling Commands
Error Handling in CL programs
Advanced Message Handling

Using IBM Supplied APIs in CL

QCMDXC
QUSCMDLN
Other APIs

Selective Prompting for Commands

Troubleshooting Program Errors and Abends

Creating Proxy Commands

Most Recent CL Enhancements

Structured Operations
Expanded Data Types
Multiple File Operations
Compiler Directing Commands
INCLUDE Command
Built-In Functions

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