Control Language Programming Workshop for IBM i

OEM: IBM • Duration: 4 Days (32 hrs) • Code: OL20G

COURSE MODULES & TOPICS

Objectives

- Create CL programs that incorporate the full range of language operations and functions: Arithmetic, string, and boolean expressions
- Relational operations
- Built-in functions
- File handling
- Message handling
- Retrieving IBM i information
- Program interaction and parameter passing
- Use the interactive source debugging facilities of STRDBG
- Describe how to create and call Integrated Language Environment (ILE) modules, programs, and service programs
- Create user-defined commands with and without parameters
- Create a control language program that processes a database file
- Create and invoke a program that is activated periodically and executes asynchronously from other jobs
- State the purpose of the parameters on the CRTBNDCL command and each section of the control language compiler listing

CL programming concepts

- Lab - Set up your environment (required)

Basic CL programming

- Lab - Write a basic CL program (required)
- Lab - Initial program (required)
- Lab - Menu-like program (required)
- Lab - Call/Transfer control (required)
- Lab - Calculator (required)

Program creation and debugging

- Lab - Debugging (required)

Intermediate CL programming

- Lab - Data area retrieval (recommended)
- Lab - External attributes CVAT, SST (recommended)

CL message programming (topic 1)

- Lab - Basic message handling (required)
- Lab - Send user message command (required)

CL message programming (topic 2)

- Lab - Monitor message (required)
- Lab - Message programming (required)
- Lab - Inquiry messages (recommended)

User-written tools

- Lab - User-written tool (optional)

Batch jobs

- Lab - SBMJOB and LDA (recommended)
- Lab - Data queues (recommended)

Commands

- Lab - Commands (recommended)