
Basic CL programming workshop

Duration: 2 Days **Course Code: OL2AG**

Overview:

This classroom course is designed to teach you to write control language (CL) programs which may be used to perform a variety of system and application control functions. You are taught to write basic and intermediate level, interactive, programs.

Target Audience:

This intermediate course is intended for application programmers, system programmers, and others who have a need to write control language programs.

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
 - 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
 - State the purpose of the parameters on the CRTBNDCCL command and each section of the control language compiler listing
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Prerequisites:

You should be able to:

- Write simple programs in another programming language
- Perform basic IBM i operations
- Code the commands necessary to send inquiry and information messages
- Use the following: data description specifications (DDS), Rational Development Studio (WDS) tools, Programming Development Manager (PDM), and source entry utility (SEU) to create physical, logical, and display files
- Use the WDS or RDP tools to enter CL source statements and create CL programs
- Describe basic work management
- Create a library, output queue, and a job description

These prerequisites can be met through successful completion of the following courses:

- Introduction to IBM i for New Users (OE980) or (OV981)
 - IBM i Application Programming Facilities Workshop (OL490) or (OV490)
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Content:

Lecture - CL programming concepts

- Lab exercise - Set up your environment

Lecture - Basic CL programming

- Lab exercise - Write a basic CL program
- Lab exercise - Initial program
- Lab exercise - Menu-like program
- Lab exercise - Call/Transfer control
- Lab exercise - Calculator

Lecture - Program creation and debugging

- Lab exercise - Debugging

Lecture - Intermediate CL programming

- Lab exercise - Data area retrieval
- Lab exercise - External attributes CVAT, %SST

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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