

OE85V5: MOVING FROM RPG/400 TO ISERIES RPG IV

--Duration: 3 days--

purpose

This course is designed to introduce you to the RPG IV language and to some of the basic concepts of the Integrated Language Environment (ILE) that you will use to create RPG IV programs and applications.

audience

This course is designed for programmers who are experienced users of the RPG/400 language (RPG III syntax) who want to learn the syntax and features of the RPG IV language.

objectives

After completing this course the student should be able to:

- Describe the benefits of the RPG IV language over RPG III
- Migrate application programs from RPG/400 to RPG IV
- Code and compile RPG IV programs using the features of the language, including:
 - Specification formats
 - Data definition functions
 - Date and time data types and duration support
- Use BIFs and expressions in RPG IV applications
- Code free form calculations
- Use the basic functions of the ILE source debugger
- Use error handling BIFs
- Code monitor groups
- Code Prototyped Calls
- Code RPG IV subprocedures
- Create RPG IV modules and bind those modules together into an ILE program
- Create a service program from RPG modules

prerequisites

Before attending this class, the student should be able to:

- Read an application flowchart or pseudocode
- Use ADTS/400 (PDM and SEU) to code RPG/400 programs
- Code RPG/400 H/F/E/L/I/C/O specifications
- Code structured RPG/400 logic
- Code and create AS/400 Display and Printer Files using DDS
- Write RPG/400 programs that incorporate Database, Printer and Display Files
- Create RPG/400 programs and display files that incorporate subfiles
- Code RPG/400 programs that use arrays and data structures
- Use AS/400 Control Language and Commands

curriculum relationship

This course is part of the iSeries Programming curriculum. Students should plan to attend the following classes:

- AS10/S6199 iSeries RPG IV Version 5 Advanced Programming Workshop
- AS86/S6286 iSeries Application Development using WDSC (CODE)
- OL37/S6137 Accessing the DB2 UDB for iSeries Database Using SQL
- OL38/S6138 Developing iSeries Applications Using SQL