

# RPG IV PROGRAMMING FUNDAMENTALS WORKSHOP FOR IBM I

Course Code: 0493

Course RPG IV Programming Fundamentals Workshop for IBM i (AS06G) teaches the basics of the IBM i RPG IV programming language. It is the first of two courses that might be attended in sequence.

This course is a comprehensive exposure to the basic features and functions of RPG IV for Version 7. It does not introduce either information processing or programming in general. Students who are new to programming should attend other courses that are offered by local technical colleges or self-study methods.

This course is designed to enable a trained programmer to develop and maintain simple RPG IV programs written using the latest features and techniques available in the Version 7 compiler.

This course focuses entirely on the features of the RPG IV Version 7 compiler and the techniques that this compiler provides. Features of V7 are discussed.

Previous techniques and the maintenance of programs that are written using legacy techniques, such as fixed format calculations, are not covered in the classroom. Some additional material and the bibliography will assist the new RPG IV programmer in the maintenance of legacy applications.

## What You'll Learn

After completing this course, learners should be able to:

- Write RPG IV version 7.3 programs to produce reports
- Write simple RPG IV version 7.3 inquiry programs that interact with displays
- Review compilation listing, find and correct compilation errors
- Maintain existing applications written in the RPG IV Version 7.3 language
- Use many popular RPG IV built-in functions

## Who Needs to Attend

This course is the first in a series of two courses designed for programmers who are new to RPG IV. Experienced programmers who are new to the Power System with IBM i should also attend this course.

## Prerequisites

- Basic programming experience is required.
- Students should have attended at least an introductory course to

programming s. Examples of other programming languages are BASIC, COBOL, or RPG II. Concepts of programming are not reviewed.

Before taking this course, student should be able to :

- Use a Windows-based PC
- Run PC applications using menus, icons, toolbars, and so forth
- Write a simple program in another high-level language (for example, CL, COBOL, BASIC, or RPG II)
- Use basic IBM i tools, including:
  - CL commands
  - Online Help
  - WRKSPLF and related commands to manage output
  - WRKJOB, DSPMSG, DSPJOB commands and so forth to perform basic problem determination
  - Use and display IBM i print queues
  - Use the RSE/LPEX Editor to create and maintain DDS
  - Create and maintain physical and logical files

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VIRTUAL CLASSROOM LIVE

\$4,940 CAD

4 Day

## Virtual Classroom Live Outline

- RPG IV introduction
- Coding specifications for RPG IV
- Data representation and definition
- Manipulating data in calculations
- Using printer and display files in an RPG IV program
- Structured programming, error handling, sub procedures, and subroutines
- Using arrays, data structures, and data areas
- Accessing the DB2 database using RPG IV
- What's next - Course review and evaluations

Jun 1 - 4, 2026 | 9:30 AM - 5:30 PM EDT

Sep 21 - 24, 2026 | 9:30 AM - 5:30 PM EST

Dec 7 - 10, 2026 | 9:30 AM - 5:30 PM EST

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