

# ADVANCED ASSEMBLER LANGUAGE CODING WORKSHOP

Course Code: 0835

IBM Course Code: ES350CE

This course provides instruction and practice in the use of the more complex S/390 Assembler Language facilities for the experienced assembler language programmer. The course includes a discussion of standard linkage conventions, use of BSAM/QSAM and selected system macros, the macro definition language, and reentrant coding considerations.

Emphasis is placed on enhancing skills in problem resolution through analysis of more complex system-provided dumps.

## What You'll Learn

- Identify data management considerations and access methods
- Code assembler language programs which:
  - ☒ Conform to standard linkage conventions using save area chaining
  - ☒ Define and use BSAM/QSAM datasets through standard I/O macros
- Define and execute user macros which contain:
  - ☒ Positional and/or keyword parameters
  - ☒ Fixed or variable entry parameter lists
  - ☒ Conditional assembly logic
- Use variable length storage operations (that is, EX, MVCL, and so on)
- Employ more complex instructions (that is, TR, TRT, BXLE, and so on)
- Access JCL parameter data
- Employ LE date/time handling services
- Identify reentrant coding considerations and dynamic storage acquisition

## Who Needs to Attend

This advanced course is designed for application programmers and beginning system programmers who code, maintain, and debug application support programs or subroutines written in S/390 assembler language.

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