

## Advanced Assembler Language Coding Workshop

**Duración: 4 Días    Código del Curso: ES35G**

### Temario:

**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.

### Dirigido a:

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.

### Objetivos:

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

### Prerequisites:

Prior to attending this course, you should be able to code and debug simple S/390 assembler language programs.

### Exámenes y certificación

None

### Siguientes cursos recomendados:

None

## Contenido:

### Day 1

- (00:15) Welcome
- (01:00) Unit 1: Review
- (00:15) Unit 2: Assembler instructions
- (01:45) Unit 3: Linkage
- (01:30) Unit 4: LE date/time handling
- (02:30) Exercise 1: PARM handling and search

### Day 2

- (00:15) Lab review
- (03:00) Unit 5: Access methods: BSAM/QSAM
- (03:00) Exercise 2: File handling

### Day 3

- (00:15) Lab review
- (00:30) Unit 6: Assembler compile-time options
- (00:30) Unit 7: SNAP dumps
- (03:30) Unit 8: Macros and the Conditional Assembly Language
- (02:30) Exercise 3: Macro modification

### Day 4

- (00:25) Lab review
- (01:15) Unit 9: Miscellaneous instructions
- (00:25) Unit 10: Floating point data
- (00:25) Unit 11: Reentrant coding
- (00:15) Class wrap-up

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## Información Adicional:

Official course book provided to participants

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## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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