

Duration: 2 days

Course Number: ISI-COB-04

Description

This course introduces students to the changes that occurred with the introduction of the Enterprise COBOL compiler by IBM. Upon successful completion of this class, students will be able to:

- List the changed features of Enterprise COBOL.
- Discuss the purpose of Unicode.
- Code a COBOL program to processing Unicode character data.
- Discuss the overall approach used for COBOL to Java access.
- Code a COBOL Object Oriented program to interface with Java.
- Discuss the interface between COBOL and XML data.
- Code a COBOL program to produce XML output and process XML input.
- Discuss some additional features of Enterprise COBOL.

A series of written and workshops will be used to reinforce the classroom education.

Audience

Experience COBOL programmers that need to use the new features of Enterprise COBOL.

Prerequisites

- **Introduction to COBOL Programming**, or equivalent experience.

Course Agenda

Day 1

COBOL history leading to Enterprise COBOL for z/OS and OS/390 Version 3 Release 3

New Features – Compatibility with Previous Versions of MVS COBOL

- CMPR2 removed
- New reserved words - COMP-5 / COMPUTATIONAL-5, EXEC / EXECUTE, FACTORY, FUNCTION-POINTER, JNIENVPTR, XML, END-XML, XML-EVENT, XML-CODE, XMLTEXT, XML-NTEXT

Obsolete Language Elements - Standard COBOL 85

Compiler Options – Old, Changed, New

Hands-on Workshop – Compiler Options

UNICODE - Processing character data in an international environment

- UNICODE - Concepts, Facilities and Terminology
- Unicode and Encoding of Language Characters
- Converting National Data
- Examples

Hands-on Workshop – UNICODE and COBOL

Day 2

Using XML and COBOL Together

- XML - Concepts, Facilities and Terminology
- Processing XML input
- Producing XML output
- Examples

Hands-on Workshop – XML and COBOL

Developing Object-Oriented Programs

- Object Oriented - Concepts, Facilities and Terminology
- Writing Object-Oriented Programs
- Communicating with Java Methods
- Examples

Hands-on Workshop – Java Object Oriented Programming and COBOL