COBOL Programming

This course provides a thorough grounding in the COBOL programming language and covers the latest release of COBOL (ANSI-89). Also included is an introduction to Intrinsic Functions.

Audience

This course is intended for programmers who are new to the COBOL programming language and need to write and maintain programs, or programmers who are converting from another high-level language.

Prerequisites

The course is suited to those students who are programmers, or those students who have had experience of programming. For those students **not** programmed before, have **no** concept of program design or are from a **non-technical** background, the 10-day **Introduction to COBOL Programming** course is recommended.

Duration

5 days consisting of lectures, quizzes and practical exercises.

Course objectives

On completion of this course, the student will be able to:

- Make effective use of all main COBOL verbs and keywords.
- Define and use internal and external data, correctly.
- Use COBOL statements to process sequential files and non-sequential files.
- Understand, create and process subscripted and indexed tables.
- Use external subprograms.
- Apply copy code to a program.
- Use the FUNCTION keyword.
- Write programs in a maintainable and efficient manner using structured code.
- Test programs and, where necessary, debug them.

Course contents overview

- History and development of COBOL
- Compiling a program
- Verbs/Keywords syntax and construct
- Standards and Efficiency
- Program structure
- The four DIVISIONS
- Input and Output Statements
- Low-level input and output
- Control Statements
- Conditional Statements
- Arithmetic Statements
- Hierarchical levels and USAGE
- Editing
- Alternative Data Descriptions
- String handling
- Data Representation
- Non-sequential files
- Tables
- CALL Statement
- COPY Statement
- Introduction to Intrinsic Functions