

Complete programming with COBOL

A 5 day **Hands on** training course



Description

A hands on training course providing an introduction to COBOL.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Write COBOL programs.
- ✓ Debug COBOL programs
- ✓ Examine existing code and determine its function.



Training approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Programmers working with COBOL.

Prerequisites

None although experience in another high-level language would be useful. A 10-day version of this course would be more applicable for those new to programming.

Duration: 5 days

Customer rating: ★★★★★

Generic training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small class sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise your course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

Complete programming with COBOL

Course content

Introduction to COBOL

Compilation, linkage editor. Compile errors, compiler options. Divisions, syntax and format, COBOL character set, program structure.

COBOL statement structure

COBOL words, format of statements.

Divisions

Identification entries, Environment entries, Data division: FD, record descriptions, hierarchy and level numbers, description-string entry.

File and Working-Storage Sections

Literals, figurative constants, redefines clause, data representation, Usage clause, synchronization, sign clause.

Procedure Division

File status codes; Open, Read, Write, Close, Stop, Goback; Accept, display; Move, Justified, data name qualification, reference modification.

Perform statement

Out-of-line, With test ... Until, ... Times, in-line statement; Go to statement.

Program design

Design techniques, design considerations, procedure names, program structure.

Printing

Printed output, Write, advancing option, editing characters; Initialize.

Condition testing

Conditional statements: IF, class, sign and relation conditions, condition-name conditionals, Set, compound conditions, logical operators. Evaluate, Continue.

Arithmetic

Rounded option, On Size Error option, Add, Subtract, Multiply, Divide, Compute.

Non-sequential files

File access modes, Select. Indexed and relative files. Open, Close, creating / reading sequential access files, Write, Read, Invalid key clause, reading, writing / updating Random access files, Rewrite, Delete, Start.

Declarative routines: Clauses.

Subroutines

Call, Using clause - calling program/called program, Linkage Section, returning control.

Table handling

Subscripted tables: One/two/three dimensional tables, Perform, variable length tables. Indexed tables: Set, using an index; Search. Copy code: Copy, Suppress, Replacing.

Data Manipulation

Inspect, String, Unstring.
COBOL/370
LE/370 and Intrinsic Functions.

