

Advanced COBOL

CDT120

This course teaches intermediate and advanced COBOL through lectures and extensive workshops. The workshops can be customized to conform to your standards and programming practices.

Audience

- Programmer Trainees

Prerequisites

- COBOL Fundamentals or equivalent knowledge
- Experience with the program editor

Course Length

- Five Days

Learning Objectives

- Complete COBOL Syntax
- Expand the use of COBOL statements
- Write and debug more complex logic
- Data validation and test case generation

Teaching Methods

- Lecture and examples
 - Extensive hands-on workshops
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Course Outline

QC1

Internal Sorts

- Sort File Definition (SD)
- USING
- GIVING
- Input procedure
- Output procedure

PARMS

- Coding the PARM on the EXEC card
- LINKAGE SECTION
- Accessing the PARM
- Validating the PARM
- Runtime processing based on PARM value

Multiple Input Files

- File Matching Logic

Sequential File Update

- Old master file
- Transaction file
- New master file
- Update Logic
- Adding new records, Changing existing records, Deleting existing records
- Producing the audit report
- Reconciling the audit report

Variable Length Records

- Creating Variable Length record files
- Reading Variable Length record files

Multi-level Tables

- Review of single dimension tables
- PERFORM VARYING vs. SEARCH
- Subscripting vs. Indexing
- Two dimension tables
- Three dimension tables