

IMS Database Application Programming

Duration: 3 Days Course Code: CM17G

Overview:

Learn how to write application programs that use Data Language One (DL/I) to process Information Management System (IMS) databases.

Target Audience:

This is an intermediate course for individuals who write programs in Common Business Oriented Language (COBOL), or Programming Language One (PL/I), or Assembler language using DL/I to navigate through an process IMS databases.

Objectives:

- Describe the basic differences between files and IMS databases as they relate to application program coding and logic
- Describe the terms and processing characteristics of IMS hierarchic data structures
- Construct DL/I calls for either COBOL or PL/I language programs
- Write, test and debug a batch application program that uses the DL/I call functions
- Use the IMS Test Program to prototype application program calls, and to perform ad-hoc read and update access to an IMS database
- Describe the applications and uses of other DL/I features
- Program for recovery and restart using DL/I calls to establish synchronization points
- Describe the functions provided by High Availability Large Database (HALDB), and any program differences when accessing a Full Function database or a HALDB

Prerequisites:

You should complete:

- IMS Fundamentals (CM010) and a COBOL or PL/I language course, or be able to:
 - List the basic components of the IMS database system
 - Construct a non-DL/I application program in COBOL or PL/I

Content:

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| <ul style="list-style-type: none"> ■ DL/I Environment ■ DL/I Call Processing ■ DL/I Rtrieval Calls ■ DL/I Update Calls | <ul style="list-style-type: none"> ■ DL/I Programming Techniques: Part 1 ■ DL/I Advanced Segment Search Arguments SSAs: Part 1 ■ DL/I Test Program ■ DL/I Programming Techniques: Part 2 | <ul style="list-style-type: none"> ■ DL/I Advanced Segment Search Arguments SSAs: Part 2 ■ System Service Calls ■ Programming Standards ■ High Availability Large Database (HALDB) Access |
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Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

training@globalknowledge.ae

www.globalknowledge.com/en-ae/

Global Knowledge, Dubai Knowledge Village, Block 2A, First Floor, Office F68, Dubai, UAE