

IMS Remote Internship: IMS DB Application Programming

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The IMS Database Application Programming class will be presented using the Internet for visuals and with a phone number for the audio. This Remote Internship will be presented by a live instructor. There will be 5 days of instruction (October 31 through November 4). On each day of class, there will be 4 hours of instruction spread over 5 hours. Class each day will start at 9:00 AM CDT (14:00 UTC) and end approximately 5 hours later.

This class, and its lab exercises, has recently been revised and updated to the IMS 15.2 level.

Unlike classroom instances of IMS Database Application Programming, this Remote Internship version will not include “hands-on lab” exercises; instead, the instructor will show the steps performed, and machine output that a student would see, if running the lab exercises themselves

These sessions are open to IMS Customers world-wide. All IMS Remote Internships are primarily for IBM Customers. While IBM employees may register, they should understand that Customers are given preference and IBMer registration may not be honored.

After registering for participation at:

<https://www.ibm.com/it-infrastructure/us-en/resources/campaignmail/z/ims/eventsignup.html>,

you will receive class material, and further instruction on attending, the week before class starts.

Additional information about the IMS DB Application Programming class is as follows:

Purpose:

This course of 5 sessions, 4 hours each day, is designed to present the skills needed to write application programs that use DL/I to process IMS databases..

Audience:

Application Developers responsible for writing or maintaining programs in COBOL or PL/1 language to navigate the IMS database..

Prerequisites:

Before taking this course, you should be able to:

1. Describe the basic functions and components of the IMS Database Management system. These skills can be developed by completing the "IMS Fundamentals" course (CM01), or by on-the-job experience.
2. Write non-DL/I application programs in COBOL or PL/1 language; this class assumes participants are already familiar with programming in one of these languages.

Agenda

Day 1

- Welcome
- Unit 1: DL/I Environment
- Unit 2: DL/I Call Processing
- Unit 3: DL/I Retrieval

Day 2

- Unit 3: DL/I Retrieval (continued)
 - Exercise 1 Discussion and Review: DL/I Retrieval
- Unit 4: DL/I Update Calls
 - Exercise 2 Discussion and Review : DL/I Update

Day 3

- Unit 5: Programming Techniques: Part 1
- Unit 6: Advanced SSAs: Part 1
- Unit 7: DL/I Test Program

Day 4

- Exercise 3 Discussion and Review: DL/I Test Program and Command Codes
- Unit 8: Programming Techniques: Part 2
- Unit 9: Advanced SSAs: Part 2

Day 5

- Exercise 4 Discussion and Review: Command Codes
- Unit 10: System Service Calls
- Unit 11: Programming Standards
- Unit 12: High Availability Large Database Access