Course Outline

CA ADS v19: Application Development 200

Course Summary

Description

The CA ADS for CA IDMS Application Development course focuses on creating an application using the CA ADS environment and tools. It includes opportunities for hands-on work with provided code samples. After completing this course, you will be able to more effectively code, test and debug CA ADS online database applications.

Objectives

By the end of this course, students will be able to:

- Identify the components of the CA ADS environment
- Create and modify a prototype application using CA ADS
- Create and modify a working application from a prototype application
- Execute and debug an application
- Code maps, dialogs, work records and process modules
- Document and report on the application components

Topics

- CA ADS -Introduction
- Prototype
- Create Application Structure Chart
- Create Prototype Maps and Dialogs
- Generate Application Structure
- Data Analysis
- Data Definition for CA ADS
- Add Data Fields to a Map
- Dialog Compiler
- Code Process Modules Using CA ADS Process Language
- Runtime Execution
- Automatic Editing

Audience

This course is designed for Application Developers

Prerequisite

- CA IDMS/DB: Concepts and Facilities (06IDM20043)
- CA IDMS/DB: Database Navigation (06IDM20023)

Duration

Five Days

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I. CA ADS -Introduction
A. Explain the elements of efficient online application development.
B. List operating principles of the CA IDMS online environment.
C. Define the basic terms of CA IDMS and CA ADS

II. Prototype
A. Define prototyping.
B. Recognize the benefits of prototyping.

III. Create Application Structure Chart
A. Create an application structure chart.

IV. Create Prototype Maps and Dialogs
A. Use the IDD tool to create map-level help modules.
B. Use the online mapping tool to create prototype maps
C. Use the dialog generator tool to create prototype dialogs.
D. Explain how these tools contribute to the development of an application prototype.

V. Generate Application Structure
A. Generate an application structure

VI. Data Analysis
A. Analyze the need for and availability of data.
B. Explain how data is managed at runtime.

VII. Data Definition for CA ADS
A. Use CA ADS data dictionary.
B. Create data dictionary definitions for Data elements.
C. Create data dictionary definitions for Work records.
D. Create data dictionary definitions for Dialog process modules.

VIII. Add Data Fields to a Map
A. Enhance maps to include data fields

IX. Dialog Compiler
A. Change a prototype dialog.
B. Add a subschema and work records.
C. Process modules in the dialog definition.

X. Code Process Modules Using CA ADS Process Language
A. Code CA ADS process language statements.

XI. Runtime Execution
A. Explain how an application executes.
B. Describe the control command requirements for a dialog.

XII. Automatic Editing
A. Apply automatic editing to an application.