

O210 - Oracle 9i Forms Part

Course Objectives

This practical course covers the fully featured functionality found within Oracle's enterprise graphical development tool, Oracle 9i Forms.

Who Should Attend	Prerequisites	Duration
Oracle Analyst/Programmers Oracle Technicians Oracle DBA's Oracle Developers	PC Fundamentals Oracle SQL Oracle PL/SQL	5 Days

Course Contents

Introduction

Invoking Forms Builder
 Forms Object Overview
 Forms Development Tools Overview
 Property Palettes

Getting Started

Building a basic Form
 Forms Runtime Overview
 Forms object structure and Object Navigator
 Block concepts
 Wizards
 Block data sources
 Data Block Wizard using a stored procedure
 Layout wizard
 Chart Wizard
 LOV Wizard

Formatting a Form

Layout Editor
 Formatting Tools
 Visual Attributes
 Working with Frames
 Working with Canvases
 Property Classes

Multiple Block Forms

Creating forms based on multiple blocks
 Building Block Relationships
 Relationship properties

Windows and Canvases

Stacked Canvases
 Toolbar Canvases
 Tab Canvases

Window Properties

Items

Check Boxes
 Radio Groups
 Primary Key Display Items
 Foreign Key Display Items
 Synchronized Display Items
 Calculated Items
 Summary Items
 Retrieving Image Items
 Storing Images in the database
 Buttons

Reports

Creating Report Objects based on a block
 Report Object Properties
 Running Existing Reports using Run Product
 Building Parameter Lists to Run Reports

Data Lists

List Items
 Simple LOV
 Multiple column LOV
 LOV Properties
 Populating list items with Record Groups
 Creating record groups programmatically

PL/SQL in Forms

Program Units
 PL/SQL Libraries
 Forms Triggers
 Forms Built Ins
 The Navigation Unit

Basing a Form on a stored procedure
 Using Debug Alerts

Navigating through Form Applications

Forms Parameters
 Global Variables
 Call Form
 Open Form
 New Form
 Go Form

Menus

Basic Menu Modules
 Popup Menus

Control Objects & Interface Items

Property Palette
 Renamed Properties
 New Properties
 Prompt Orientation
 Query All Records Block Property
 ToolTips Property
 Calculated Fields
 Formula Calculations
 Summary Calculations
 Tab Canvases
 Stacked canvas enhancements
 Frames
 Visual Attribute Enhancements
 Graphic Object Functionality
 Sound items
 Images

Forms Events & PL/SQL

- 9i Triggers
- 9i System Variables
- 9i built-in Subprograms
- Dynamic SQL
- Default Keyword
- Composite Datatypes
- PL/SQL Records
- PL/SQL Tables
- Combining PL/SQL Records and Tables

Development Techniques

- Smart Triggers
- Array DML Processing
- Object Sub-classing
- Object Libraries
- Smart Classes
- Template Forms
- Controlling Oracle 8 Objects
- Building Hierarchy Trees
- Using Hierarchy Trees
- PL/SQL Editor Enhancements
- Using Dynamic PL/SQL