

Course overview:

Oracle6i Triggers & Objects (Forms II)

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Overview and objectives

This 5-day course builds upon the introductory topics of the Oracle Developer 6i Form Builder course to allow developers to customize applications using complex PL/SQL triggers and object oriented programming techniques. Topics include mouse awareness, writing internal timers, building reusable objects and using reusable object libraries, incorporating PL/SQL libraries and accessing built-in program units.

Who should attend?

This course has been developed for Oracle client/server and web developers. Students should have attended the following courses or have equivalent knowledge and experience:

Oracle SQL & SQL*Plus Introduction

Oracle SQL & SQL*Plus Advanced

Oracle PL/SQL Language

Oracle PL/SQL Program Units

Oracle 6i Form Builder (Forms I)

Course contents

Validation Triggers

Introducing Built-Ins Using Alerts

- Form Object Built-Ins • Form Processing Built-Ins • Menu Module Built-Ins • Using Object Ids • Setting Object Properties • Alert Built-Ins

Item Built-Ins

- Item Built-Ins (General) • Item Built-Ins (Navigation) • Item Built-Ins (GUI Widgets) • Item Built-Ins (Images) • Item Built-Ins (Sound) • Item Built-Ins (Get and Set Properties) • Radio Button Built-Ins (Get and Set Properties) • GET_FILE_NAME

Built-Ins For Other Functional Objects

- Block Built-ins • Record Built-Ins • LOV Built-Ins • Editor Built-Ins • Application Built-Ins • Form Module Built-Ins • Form Control Built-Ins • Menu Built-Ins • Relation Built-Ins • More About Restricted Built-Ins • Which Built-Ins Are Usually Restricted? • Triggers Which Permit Restricted Built-Ins • Restricted Built-Ins Table • Triggers That Call Restricted Built-Ins Table

System & Global Variables

- Using SYSTEM Variables • Using Global Variables

Intermediate-Level Triggers & Built-Ins

- User Action Triggers • Navigational Triggers • Query Triggers & Built-Ins • Block Processing Triggers • Key Triggers & Built-Ins • KEY-Triggers Table

Window, Canvas & Error Customization

- Window Built-Ins • Window Triggers • Canvas Built-Ins • Programming Tab Pages • WHEN-TAB-PAGE-CHANGED Trigger • Custom Message & Error Processing

Advanced Forms Customization

- What Are Timers? • About Using WHEN-TIMER-EXPIRED • Timer Built-Ins • Record Groups and Dynamic Lists • Dynamically Alter List Built-Ins • Get List Properties Built-Ins • Calling Other Modules • Parameter Lists

Mouse Awareness

- Mouse Events • Mouse 'Click' Triggers • Mouse 'Move' Triggers • Mouse Awareness System Variables • Implementing Drag-And-Drop

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Object Orientation

- Inheritance With Property Classes • Create A Property Class • Inheriting A Property Class • About Subclass Symbols • Rules About Inheritance • Inheritance With Objects • Building Components With Object Groups • About Object Libraries • Object Library With Tab Categories • SmartClass

Integrating Server-Side Logic

Stored Procedure Blocks

- Data Block Source • Stored Procedure Data Blocks • Create DEPARTMENT_PACKAGE specification • PL/SQL Package Body Definition

Introducing The Forms Debugger

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