



Boss Consulting Services, Inc.

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Oracle Developer 10g Overview for University System Programmers (BAN208)

Course Description

This 5-day course provides an overview of the Developer 6i tools that will bring a brand new Oracle developer from basic forms and reports development through more advanced concepts. The material covered includes creating simple forms and reports, and incorporating PL/SQL program units. The course provides both lecture and hands-on lab time with the student spending approximately 50% of the class time practicing the techniques discussed in the lecture.

Audience

This course is intended for application developers and programmers who will create or maintain Oracle Forms and Reports applications. The prerequisite for this course is SQL100 or a minimum of six months of SQL/SQL*Plus experience.

Course Topics

Introduction

- Oracle Products
- RDBMS Overview
- Purpose of Oracle Forms
- Training Database

Forms Concepts

- Module Types
- Canvases
- Windows
- Records
- Items
- Oracle Forms Executables

Oracle Reports Terminology

- What is Oracle Reports?
- Report Concepts
- Query Objects
- Group Objects
- Frames
- Links

Creating Simple Reports

- Reports Designer
- Naming Conventions
- Creating a Query
- Report Groups
- Creating a Default Layout

Simple Forms

- Accessing the Form Builder
- Form Builder Overview
- Steps for Forms Development
- Creating a Block
- Saving & Running a Form

Customizing Forms

- Layout Editor
- Using the Drawing Tools
- Supplying Color & Patterns
- Modifying the Form Appearance

Designing for Reusability

- Item Properties
- Visual Attributes
- Current Record Attributes
- Property Classes
- List of Values
- Template Forms

Item Types

- Check Boxes
- List Items
- Radio Groups
- Buttons

Using Multiple Blocks

- Creating a Second Block
- Master-Detail Relationship
- Relation Properties
- Block Coordination
- Mirroring Items
- Displaying Items at Different Frequencies

Form Triggers

- Trigger Definition
- Purpose of Triggers
- Common Triggers

- Report Frames

The Data Wizard

- Data Wizard Overview
- Invoking the Data Wizard
- Building a Report with the Data Wizard

Modifying Reports

- Opening an Existing Report
- Layout Model Editor
- Adding Page Titles
- Adding Footers
- Format Masks
- Aligning Objects
- Header & Trailer Pages

Multiple Group Reports

- Break Reports
- Multiple Query Report
- Creating Dependent Groups

Computations and Summaries

- Summary Columns
- Summary Column Report
- Format Mask on Summary Column
- Printing One Record Per Page
- Percent of Total

Incorporating Placeholder Columns

- Placeholder Columns
- Placeholder Report
- Setting the Placeholder Column

Conditional Printing

- Conditionally Printing Text
- Conditionally Printing Detail Record
- Modifying Print Attributes

- Trigger Example
- Table Lookups
- Validation Triggers