

Oracle Forms - Part I

Course Duration: 5 days

Course Code: OF1

Course Description:



This course is designed to give delegates practical experience in using Oracle Forms to develop and deploy database applications. The main features and components of a Form are investigated and implemented, and Forms Services components and configuration files are customised for deployment.

Together with the Forms - Part II course, this course is suitable for delegates intending to sit the *Oracle PL/SQL Developer OCA examination #1Z0-141: Oracle Forms: Build Internet Applications*.

The delegates will practise:

- Using the Form Builder productively
- Generating text items, buttons, radio groups and other interface items
- Creating toolbars, canvases and windows
- Writing triggers to enhance application functionality
- Calling standard built-in procedures and functions
- Developing program units and code libraries
- Generating objects for re-use in other projects
- Calling one form from another
- Using debug tools
- Testing forms using runform.htm
- Creating application-specific configurations
- Deploying custom images and icons
- Setting default environment variables
- Implementing techniques to improve performance

Prerequisites:

Attendance on the Pre-Requisite courses or similar knowledge. Previous experience of GUI program development may also prove advantageous. Pre-Requisites Courses: SQL*Plus (OSP) and PL/SQL (OPI).

Prerequisite courses:

[SQL*Plus](#)
[PL/SQL](#)

Follow on courses:

[Oracle Forms - Part II](#)

Relevant Certifications:

This course includes the following modules:

Introduction

- What is Oracle Forms?
- Form Builder Components
- Application Code Partitioning
- Exercise: Preparing to Work with Forms

Getting Started

- Creating a Form
- Running a Form
- The Runtime Interface
- Performing Queries
- Updating Records
- Exercise: Creating and Running a Form

The Form Builder Interface

- The Main Menu
- The Object Navigator
- Basic Components of a Form
- Property Palettes
- The PL/SQL Editor
- The Layout Editor
- Exercise: Using Form Builder Tools

Building a Form

- Basic Steps in Development
- Creating a Data Block
- Customising the Layout
- Setting Properties For Data Blocks and Items
- Adding Trigger Code
- Running the Form
- Exercise: Building a Simple Form
- Exercise: Building a Master-Detail Form

Triggers

- What is Navigation?
- Navigational Triggers
- Item and Block Validation
- Commit Form Triggers
- Query Triggers
- Trigger Types and Scope
- Trigger Code

- Global, System and Bind Variables
- Handling Errors
- Exercise: Implementing Navigational Triggers
- Exercise: Implementing Commit-time Triggers
- Exercise: Implementing Query Triggers

Introducing Standard Built-ins

- Unrestricted Built-in Procedures and Functions
- Restricted Built-in Procedures
- Calling Built-ins
- Getting and Setting Properties at Runtime
- Using Internal Object IDs
- Error Handling
- Exercises: Enhancing Applications using Built-ins

More Interface Objects

- Basic Controls - Text and Display Items
- Iconic Push-buttons
- Check Boxes and Radio Groups
- List Items
- Image Items
- Alerts
- Editors
- Record Groups and LOVs
- Hierarchical Trees
- Exercises: Creating Additional Interface Items

Program Units

- Form Module Program Units
- PL/SQL Libraries
- Database Procedures
- Exercise: Using PL/SQL Libraries
- Exercise: Using Database Procedures

Canvases and Windows

- Content Canvases
- Stacked Canvases
- Toolbar Canvases
- Tab Canvases
- Handling Windows
- Exercise: Generating Canvases and Toolbars
- Exercise: Handling Multi-Window Applications

Re-using Components

- Visual Attributes
- Property Classes
- Copying Objects
- Subclassing
- Object Groups
- Object Libraries
- Exercise: Creating and Using a Property Class
- Exercise: Creating and Using an Object Library

Introduction to Calling Other Forms

- Built-in Procedures
- Methods for Calling other Forms
- Exercise: Calling one Form from Another

Debug Facilities

- Running in Debug Mode
- Creating Break Points
- Monitoring Application Data

Oracle Forms

- Overview
- Forms Compatibility Issues
- Architecture and Components The Forms Client

Getting Started

- Preparation
- Default Deployment
- Using runform.htm for Testing
- Generating URLs
- Default Configuration Files
- Exercise: Test a Form using runform.htm
- Exercise: Create a URL to Deploy and Test a Form

Configuring Forms Services

- The formsweb.cfg Configuration File
- System and Runform Parameters
- Forms Applet and HTML Tag Parameters
- Archive Parameters
- Creating Application-specific Configurations
- Renaming and Relocating formsweb.cfg
- Customising the base HTML Files
- Exercise: Create Application-specific Configurations
- Exercise: Create a Custom Configuration File

Dealing with Icons and Images

- Boilerplate and HTML Images
- Forms Icons and Images
- Images Loaded at Runtime
- Other Images
- SplashScreen, Background and Logo Images
- Using jar Files
- Exercise: Deploy a Variety of Icons and Images
- Exercise: Create and Use a jar File

Other Configuration Issues

- Icons in Form Builder
- The Environment File default.env
- The Registry File registry.dat
- Font Mappings
- The web.xml and forms90.conf Config Files
- Notes on Configuring for SSO
- JInitiator
- Exercise: Configure registry.dat and default.env
- Exercise: Configure web.xml and forms90.conf

Performance Considerations

- Built-in Optimisation Features
- Using and Customising JInitiator
- Improving Performance
- Exercise: Implement Features to improve Performance

This course is available on the following scheduled dates. Discounts may be available for this course. Click a date to enquire for best price and availability.

Location	Duration	RRP	Sep	Oct	Nov	Dec	Jan	Feb
London	5 days	£1695		4 - 8	29 - 3		31 - 4	