

Oracle Developer Forms and Reports Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Oracle Developer Forms and Reports is an essential training program offered by Multisoft Systems, designed for developers looking to enhance their skills in building applications using Oracle's powerful software suite. This course provides an in-depth exploration of Oracle Forms and Reports, two crucial tools used for enterprise-level application development.

Oracle Forms

Module 1: Introducing Oracle Forms Developer and Forms Services

- ✓ Grid Computing
- ✓ Oracle Products
- ✓ Oracle Application Server Architecture
- ✓ Benefits and Components of Oracle Developer Suite
- ✓ Running a Forms Developer Application
- ✓ Working in the Forms Developer Environment

Module 2: Creating Forms Modules

- ✓ Creating a Basic Forms Module
- ✓ Creating a Master-Detail Forms Module
- ✓ Modifying the Data Block
- ✓ Modifying the Layout

Module 3: Working with Data Blocks and Frames

- ✓ Using the Property Palette
- ✓ Managing Object Properties
- ✓ Creating and Using Visual Attributes
- ✓ Controlling the Behavior and Appearance of Data Blocks
- ✓ Controlling Frame Properties
- ✓ Creating Control Blocks
- ✓ Deleting Data Blocks

Module 4: Working with Input Items

- ✓ Creating Text Items
- ✓ Controlling the Behavior and Appearance of Text Items

- ✓ Creating LOVs
- ✓ Defining Editors
- ✓ Creating Check Boxes
- ✓ Creating List Items
- ✓ Creating Radio Groups

Module 5: Working with Non-Input Items

- ✓ Creating a Display Item
- ✓ Creating an Image Item
- ✓ Creating a Push Button
- ✓ Creating a Calculated Item
- ✓ Creating a Hierarchical Tree Item
- ✓ Creating a Bean Area Item

Module 6: Working with Windows and Canvases

- ✓ Overview of Windows and Canvases
- ✓ Displaying a Forms Module in Multiple Windows
- ✓ Creating a New Window
- ✓ Displaying a Forms Module on Multiple Layouts
- ✓ Creating a New Content Canvas
- ✓ Creating a New Stacked Canvas
- ✓ Creating a New Toolbar Canvas
- ✓ Creating a New Tab Canvas

Module 7: Producing Triggers

- ✓ Grouping Triggers into Categories
- ✓ Defining Trigger Components: Type, Code, and Scope
- ✓ Specifying Execution Hierarchy
- ✓ Using the PL/SQL Editor
- ✓ Writing Trigger Code

- ✓ Using Variables and Built-ins
- ✓ Using the When-Button-Pressed and When-Window-Closed Triggers

Module 8: Debugging Triggers

- ✓ The Debugging Process
- ✓ The Debug Console
- ✓ Setting Breakpoints
- ✓ Debugging Tips
- ✓ Running a Form in Debug Mode
- ✓ Stepping through Code

Module 9: Adding Functionality to Items

- ✓ Coding Item Interaction Triggers
- ✓ Defining Functionality for Check Boxes
- ✓ Changing List Items at Run Time
- ✓ Displaying LOVs from Buttons
- ✓ Populating Image Items
- ✓ Populating and Displaying Hierarchical Trees
- ✓ Interacting with JavaBeans

Module 10: Run-Time Messages and Alerts

- ✓ Built-ins and Handling Errors
- ✓ Controlling System Messages
- ✓ The FORM_TRIGGER_FAILURE Exception
- ✓ Using Triggers to Intercept System Messages
- ✓ Creating and Controlling Alerts
- ✓ Handling Server Errors

Module 11: Query Triggers

- ✓ SELECT Statements Issued During Query Processing
- ✓ WHERE and ORDER BY Clauses and the ONETIME_WHERE Property
- ✓ Writing Query Triggers
- ✓ Query Array Processing
- ✓ Coding Triggers for Enter-Query Mode
- ✓ Overriding Default Query Processing
- ✓ Obtaining Query Information at Run Time

Module 12: Validation

- ✓ Validation Process
- ✓ Controlling Validation Using Properties
- ✓ Controlling Validation Using Triggers
- ✓ Performing Client-Side Validation with PJs
- ✓ Tracking Validation Status
- ✓ Using Built-ins to Control When Validation Occurs

Module 13: Navigation

- ✓ Navigation Overview
- ✓ Understanding Internal Navigation
- ✓ Using Object Properties to Control Navigation
- ✓ Writing Navigation Triggers: When-New-Instance, Pre- and Post- Triggers
- ✓ The Navigation Trap
- ✓ Using Navigation Built-ins in Triggers

Module 14: Transaction Processing

- ✓ The Commit Sequence of Events
- ✓ Characteristics and Common Uses of Commit Triggers
- ✓ Testing the Results of Trigger DML

- ✓ DML Statements Issued During Commit Processing
- ✓ Overriding Default Transaction Processing
- ✓ Running Against Data Sources Other Than Oracle
- ✓ Getting and Setting the Commit Status
- ✓ Implementing Array DML

Module 15: Writing Flexible Code

- ✓ What Is Flexible Code?
- ✓ Using System Variables for Flexible Coding
- ✓ Using Built-in Subprograms for Flexible Coding
- ✓ Referencing Objects by Internal ID
- ✓ Referencing Items Indirectly

Module 16: Sharing Objects and Code

- ✓ Working with Object Libraries
- ✓ Working with Smart Classes
- ✓ Reusing PL/SQL
- ✓ Working with PL/SQL Libraries

Module 17: Using WebUtil to Interact with the Client

- ✓ Benefits of WebUtil
- ✓ Integrating WebUtil into a Form
- ✓ Interacting with the Client

Module 18: Introducing Multiple Form Applications

- ✓ Multiple Form Applications Overview
- ✓ Starting Another Forms Module
- ✓ Defining Multiple Form Functionality
- ✓ Sharing Data Among Modules

Oracle Reports

Module 1: Basic Concepts

- ✓ Oracle Reports Builder
- ✓ Reports
- ✓ Report Styles
- ✓ Wizards
- ✓ The Object Navigator
- ✓ The Report Editor
- ✓ Data Model Objects
- ✓ Layout Objects
- ✓ Parameter Form Objects
- ✓ The Property Instructor
- ✓ Runtime Views
- ✓ Oracle Reports Components

Module 2: Advanced Concepts

- ✓ Reports
- ✓ Web Reports
- ✓ Data Model Objects
- ✓ Layout Objects
- ✓ Parameter Form Objects
- ✓ PL/SQL
- ✓ Templates
- ✓ Output Formats and Capabilities
- ✓ Data Sources
- ✓ Debugging Tools

Module 3: Visual Index

- ✓ Building Basic Reports
- ✓ Building Group Reports
- ✓ Building Reports w/ Special Formatting
- ✓ Building Matrix Reports
- ✓ Building Reports for Business Cases
- ✓ Building Reports w/ PL/SQL and Java
- ✓ Building Reports w/ Pluggable Data Sources

Module 4: How To Access Oracle Reports Documentation

- ✓ Set Properties and Preferences
- ✓ Perform Common Tasks
- ✓ Work with the Object Navigator
- ✓ Work with Reports
- ✓ Work with Web Reports
- ✓ Run and Dispatch a Report
- ✓ Work with the Data Model
- ✓ Work with the Report Layout
- ✓ Work with Report Sections
- ✓ Work with Parameters and the Parameter Form
- ✓ Define a Template
- ✓ Use PL/SQL in a Report or Template
- ✓ Debug a Report
- ✓ Integrate with Other Products
- ✓ Administer Oracle Reports Builder