

Course Content of Oracle Reports 10 G Developers:

Introduction to Oracle Reports Developer

- Business Intelligence
- Enterprise Reporting
- Oracle Reports Developer
- Oracle Database 10g
- Oracle Developer Suite 10g
- Oracle Application Server 10g
- OracleAS Reports Services
- OracleAS Reports Services Architecture for the Web

Designing and Running Reports

- Understanding User Requirements
- Designing Reports
- Tabular
- Master-Detail
- Master with Two Details
- Matrix
- Retrieving and Sharing Data
- Running a Report

Exploring Oracle Reports Developer

- Reports Developer Executables
- Invoking Reports Builder
- Reports Builder Modules
- Report Data and Layout
- Reports Builder Components
- Object Navigator
- Report-Level Objects
- Data Model Objects

Creating a Paper Report

- Report Module Components

- Building a Paper Report
- Viewing the Paper Report Output
- Saving the Report Definition
- Reentering the Wizard
- Creating Break Reports
- Break Report Labels
- Creating Mailing Labels and Letters

Enhancing a Basic Paper Report

- What Is the Paper Design?
- The Paper Design Window
- Modifying a Report
- Aligning Columns
- Setting a Format Mask
- Manipulating Objects
- Modifying Visual Attributes
- Applying Conditional Formatting

Managing Report Templates

- Using Report Templates
- Modifying a Template
- Customizing the Template Margin
- Customizing the Template Body
- Adding Web Links to a Template for Report HTML Output
- Predefining Your Own Templates
- Adding a Template Preview Image

Creating a Web Report

- What Is JSP Technology?
- JSP Advantages
- Simple JSP Example
- Building a Web Report
- Using the Report Wizard
- Report Editor: Web Source View

- JSP Tags
- Web Source Example

Enhancing Reports Using the Data Model: Queries and Groups

- The Data Model Objects
- Modifying Properties of a Query
- Applying Changes
- Changing the Group Structure
- Group Hierarchy
- Ordering Data in a Group
- Query Modifications
- Filtering Data in a Group

Enhancing Reports Using the Data Model: Data Sources

- Data Source Types
- Pluggable Data Sources
- Using XML as a Data Source
- Document Type Definition File
- OLAP Data Source
- Using Text as a Data Source
- Using JDBC as a Data Source
- Using REF Cursor Queries

Enhancing Reports Using the Data Model: Creating Columns

- Data Model Columns
- Maintaining Data Source Columns
- Producing File Content Output
- Creating a Column
- Creating Summary Columns
- Displaying Subtotals
- Displaying Percentages
- Creating a Formula Column

Enhancing Reports Using the Paper Layout

- Viewing the Paper Layout
- Designing Multipanel Reports
- Printing Multipanel Reports
- Different Objects in the Paper Layout
- The Paper Layout Layers
- Report Processing
- Paper Layout Tools
- Report Bursting

Controlling the Paper Layout: Common Properties

- Modifying Paper Layout Object Properties
- Common Layout Properties
- Sizing Objects
- Anchors
- Layout Object Relationships
- Pagination Icons in the Paper Layout
- Controlling Print Frequency
- Using Format Triggers

Controlling the Paper Layout: Specific Properties

- Properties of a Repeating Frame
- Specifying Print Direction
- Controlling the Number of Records per Page
- Controlling Spacing Between Records
- Minimum Widow Records
- System Variables
- Valid Source Columns
- Displaying File Contents

Web Reporting

- Comparing Static and Dynamic Reporting
- Adding Dynamic Content
- Creating a Report Block
- Invoking the Report Block Wizard

- Examining the Web Source Code
- rw:foreach Tag
- rw:field Tag
- Customizing Reports JSPs

Extending Functionality Using XML

- Why Use XML Report Definitions?
- Creating XML Report Definitions
- Partial Report Definitions: Format Modification Example
- Partial Report Definitions: Format Exception Example
- Full Report Definition: Data Model Modification Example
- Running XML Report Definitions
- Debugging XML Report Definitions

Creating and Using Report Parameters

- Creating User Parameters
- Referencing Parameters in a Report Query
- Using Bind References
- Using Lexical References
- Hints and Tips When Referencing Parameters
- Creating a List of Values
- Referencing System Parameters
- Building a Paper Parameter Form

Embedding a Graph in a Report

- Adding a Graph to a Paper Report
- Adding a Graph to a Web Report
- Selecting the Graph Type
- Selecting the Graph Data
- Adding Options to the Graph
- Customizing Web Graphs
- The rw:graph Tag
- Customizing Graphs Using the Graph.XML File

Enhancing Matrix Reports

- The Matrix Data Model
- The Matrix Paper Layout
- Creating Matrix Summaries
- Creating the Matrix Manually
- The Matrix with Group Data Model
- The Matrix with Group Layout
- Building a Nested Matrix
- Nested Matrix Paper Layout

Coding PL/SQL Triggers

- Types of Triggers in Reports
- Trigger Code
- Using Report Triggers
- Using Data Model Triggers: PL/SQL Group Filter
- Using Data Model Triggers: Parameter Validation
- Using Layout Triggers
- Using Format Triggers
- Event-Based Reporting

Extending Functionality Using the SRW Package

- Contents of the SRW Package
- Outputting Messages
- Executing a Nested Report
- Restricting Data
- Initializing Fields
- Creating a Table of Contents
- Performing DDL Statements
- Setting Format Attributes

Maximizing Performance Using OracleAS Reports Services

- Running Reports Using OracleAS Reports Services
- Report Request Methods
- Oracle Application Server Components
- Enabling Single Sign-On Access

- Running the Web Layout: JSP Run-time Architecture
- Running the Paper Layout: Servlet Run-time Architecture
- Running a Paper Report on the Web
- Queue Manager

Building Reports: Efficiency Guidelines

- Tuning Reports
- Performance Measurement
- Non SQL Data Sources
- Investigating the Data Model
- Investigating the Paper Layout
- Running the Report
- Different Development and Run-Time Environments
- Developing Reports to Run in Different GUIs