

O139 – Oracle Application Express

Course Objectives

Oracle Application Express, previously branded HTML DB, is a rapid web application development tool for the Oracle database. Using a web browser, the developer can create and deploy professional applications that are both fast and secure. This course is designed to demonstrate the construction of Web-based applications on an Oracle 10g database, creating reports, charts, forms and menus. Attendees will learn of the capabilities within Oracle Application Express that makes development easy via pre-built templates and wizards together with its strengths and weaknesses. This third major version features some new features, notably PDF Printing and Flash charting.

Who Should Attend	Prerequisites	Duration
Oracle Developers / Designers Analyst / Programmers	Working knowledge of HTML technology and SQL, PL/SQL.	4 Days

Course Contents

Key Features of Oracle Application Express

- Reporting
- Forms
- Charting
- Spreadsheet Upload
- User Interface Themes
- Flow Control and Navigation
- Conditionality
- External Interfaces and Extensibility
- Security
- SQL Workshop Tools

Creating an Application

- Saving SQL for Use in Applications
- Creating a Report Drill Down
- Adding a Tabular Form
- Editing Application Objects
- Applying a New Theme

Building a Functional Application

- Creating a Table from a Spreadsheet
- Adding a Master Table
- Modifying a Table
- Adding a Table Using a Script
- Adding Constraints
- Adding a Master Detail Form
- Creating Lists of Values (LOVs)
- Adding an Item Validation
- Updating the Home Page
- Navigation List
- Adding a Logo
- Creating Users
- Restricting Access

Tabular Forms

- Changing an Updatable Column to a Select List

Parameterised Reports

- Report Utilising a Form Input
- Creating Regions
- Adding Form Items
- Adding a Button to Submit a Page
- Adding an On-load Process

Control Form Layout

- Creating a Table and Data Input Form
- Altering Region Attributes
- Adding a Region Header and Footer
- Making a Region Conditional
- Changing Item Types
- Label Templates
- Changing Buttons

Check Boxes

- Multi Value Check Boxes to Filter Content
- Adding Check Boxes in a Report

Charts

- Creating Chart Queries
- Adding Additional Series
- Editing Chart Attributes

Upload and Download Files in an Application

- Creating an Upload Form
- Creating a Report with Download Links
- Storing Additional Attributes

- Storing a Document in a Custom Table
- Downloading Documents from the Custom Table

Access Control Page

- Access Control Administration
- Creating an Access Control Administration Page
- Creating an Authentication Function
- Updating an Authentication Scheme
- Applying Authorisation Schemes to Components

Build and Deploy an Application

- Create Summary Reports
- Breadcrumb Menus
- Email Notification
- Application Security

PDF Reports using BI Publisher

- Create a Master-detail form
- Create a report layout
- Link a PDF report to an application

Administrative Features

- Export an Application Definition
- Import an Application Definition
- Create a Workspace
- Supporting Objects