

Oracle Application Express Workshop I Ed 2

Duration: 5 Days

What you will learn

This Oracle Application Express Workshop I Ed 2 training teaches you how to quickly and efficiently develop database-centric web applications using Oracle Application Express. Explore implementing security in your applications, managing application navigation, basic validation and debugging techniques used while developing an application in Oracle Application Express.

Learn To:

Create database applications for both desktop and mobile interfaces.

Add various components like new pages, reports regions, items and other components required to enhance an application.

Create processes, validations, computations and dynamic actions within an application.

Change the look and feel of your web applications using built-in themes and templates.

Create and use shared components for an application.

Understand managing and using session state variables.

Implement security in an application.

Manage application navigation using shared components.

Improvise your application by creating calendars, charts and trees.

Extend your application by adding advanced features like printing, BLOB object, data loading, site and more.

Enable feedback mechanisms from the application and tracking the feedback from Oracle APEX.

Benefits to You

When you walk away from this course, you will have developed the knowledge and skills to create database applications using desktop and mobile interfaces. You'll learn how to enhance your application by adding various components like reports, forms, items, dynamic actions, calendars, charts, plug-ins and other shared components required in an application.

Audience

Application Developers
Business Intelligence Developer
Database Administrators
Forms Developer
Project Manager
System Analysts
Web Administrator

Related Training

Required Prerequisites

Basic knowledge of SQL, PL/SQL, and HTML

Suggested Prerequisites

Oracle Database: SQL Workshop I

Oracle Database: SQL and PL/SQL Fundamentals

Course Objectives

Create Pages and Regions in an Application

Log in to an Oracle Application Express Workspace

Create Page and Application Items and Buttons

Create Page Processes and Validations

Implement Security

Manage Application Navigation

Extend an Application

Create Themes and Templates

Create Shared Components such as Tabs, Lists, and Breadcrumbs

Add Dynamic Actions

Import and Use Plug-Ins

Create and Use Calendars and Trees

Utilize Application Express Printing methods

Manage Application feedback

Create Reports and Forms in an application

Create and Run Database Applications using desktop and mobile interfaces

Course Topics

Course Overview

Course Goals

Course Outline

Order Management Database Application (OMDA)

Introducing Course Persona: Jack
Course Environment: Products Installed
Course Environment: Workspace Details
Accessing the Labs Directory

Introducing Oracle Application Express

Application Express Overview
Application Express Terms and Concepts
Using Application Express

Creating a Desktop and Mobile Database Application

Application Builder Overview
Introducing Database Applications
Creating Database Applications
Creating Mobile Application

Working with Reports for Desktop Application

Introducing Reports
Using Classic Reports
Using Interactive Reports
Creating and Customizing an Interactive Report

Working with Reports for Mobile Application

Creating Reports for a Mobile Application
Creating Column Toggle Report
Creating a Reflow Report

Creating Forms

Using Forms
Creating Forms
Modifying Forms
Creating a Form in a Mobile Application

Working with Pages and Regions

Introducing Page Definition
Working with Page Regions
Working with Pages

Adding Items and Buttons

Introducing Items
Using Items
Creating List of Value (LOV) Type of Items
Using Buttons

Understanding Session State

Understanding Session State in Oracle Application Express
Using Session State in Oracle Application Express

Including Page Processing

Introducing Page Processing
Including Computations
Including Processes

Including Validations
Including Branches

Validating and Debugging Your Application

Using the Advisor
Managing Your Attribute Dictionary
Debugging Your Application

Adding Shared Components That Aid Navigation

Introducing Shared Components
Creating Tabs
Creating Lists
Creating Breadcrumbs
Creating a Navigational Bar

Working with Themes, Templates and Files

Using Themes
Using Templates
Using Files

Implementing Security

Securing an Application
Using Authentication Schemes
Using Authorization Schemes
Using Session State Protection

Managing Application Navigation

Building a Hierarchical List with Images
Building a Site Map
Enforcing Authorization on Your Site Map
Linking Interactive Reports using a Declarative Filter

Extending Your Application

Creating Data Load Wizard Pages
Creating an Upload and Download Page
Adding BLOB Data to an Existing Application
Sending Email from an Application

Creating and Editing Charts

Creating and Using Charts
Enhanced Charting Examples

Adding Calendars and Trees

Using Calendars
Using Trees

Using Dynamic Actions and Plug-Ins

Using Dynamic Actions
Using Plug-Ins

Utilizing Application Express Printing

Printing a Standard Report with Derived Output

Managing Application Feedback

What is Team Development?

Managing Feedback