

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

- Introduction
- General cloud concepts
- OCI Architecture (regions, availability domains, fault domains, compartments)
- Core OCI services (Networking, Compute, Storage, Database, Identity)
- Security in OCI
- OCI Pricing and billing

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

Including

Validations

Including

Branches 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

Creating a PDF Report with Multiple Queries

Managing Application Feedback

What is Team Development?

Managing Feedback