

Oracle Application Express Workshop I (40 hrs.)

This Oracle Application Express Workshop I Ed 2 training teaches you how to quickly develop database-centric web applications using Oracle Application Express. Learn from expert Oracle University instructors through interactive instruction.

Learn to:

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.

- 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.

Suggested Prerequisite

- Basic knowledge of SQL, PL/SQL, and HTML

Required Prerequisite

- Oracle Database: SQL Workshop I
- Oracle Database: SQL and PL/SQL Fundamentals

Audience

- Application Developers
- Database Administrators
- Database Administrators
- System Analysts
- System Analysts
- System Analysts
- Project Manager

- Project Manager
- Forms Developer
- Forms Developer
- Business Intelligence Developer
- Web Administrator
- Web Administrator

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 Environment: Products Installed
- Introducing Course Persona: Jack
- Course Goals
- Course Outline
- Course Environment: Workspace Details
- Order Management Database Application (OMDA)
- Accessing the Labs Directory

Introducing Oracle Application Express

- Application Express Overview
- Using Application Express
- Application Express Terms and Concepts

Creating a Desktop and Mobile Database Application

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

Working with Reports for Desktop Application

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

Working with Reports for Mobile Application

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

Creating Forms

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

Working with Pages and Regions

- Working with Page Regions
- Introducing Page Definition
- Working with Pages

Adding Items and Buttons

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

Understanding Session State

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

Including Page Processing

- Introducing Page Processing
- Including Computations
- Including Branches
- Including Processes
- Including Validations

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 a Navigational Bar
- Creating Lists
- Creating Tabs
- Creating Breadcrumbs

Working with Themes, Templates and Files

- Using Templates
- Using Files
- Using Themes

Implementing Security

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

Managing Application Navigation

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

Extending Your Application

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