



Course Name- Oracle Application Express APEX, Version 5.0

Course Objective:

Create Regions and Page in an Application

- Create Oracle Application Express Workspace and login
- Create Forms, Reports and Application Items and Buttons
- Create Page Processes, Computation and Validations
- Implement Security, authentication and authorization
- Manage Application Navigation and shared component
- Create Themes and Templates
- Work on Shared Components such as Tabs, Lists, and Breadcrumbs
- Create Dynamic Actions
- Import and Use Plug-Ins
- Create and Use Calendars and Trees
- Manage Application feedback and utilities.
- Create and Run Database Applications using desktop and mobile interfaces

What you will Learn

This Oracle Application Express training teaches you how to quickly and efficiently develop database-centric web applications using 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.
- Improve 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.

Audience:

- Oracle DBA
- Application Developers
- Web Developer
- System Analysts
- Project Manager
- BI Developer

Course Topics

Introducing Oracle Application Express

- Application Express Overview
- Application Express Architecture concepts

Creating a Desktop and Mobile Application

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

Creating Forms and Reports for Desktop Application

- Introducing Reports
- Creating Classic Reports
- Working on Interactive Reports
- Creating and Customizing an Interactive Report
- Creating and Modifying Forms
- Creating a Form in a Mobile Application

Working with Reports for Mobile Application

- Creating Reports for a Mobile Application

- Creating Column Toggle Report
- Creating a Reflow Report

Working with Pages and Regions

- Creating New Page in Application
- Creating Regions
- Creating menu navigation

Creating Items and Buttons

- Introducing Items and Buttons
- Working and adding Items to page
- Creating List of Value (LOV) Type of Items, Select list etc.

Understanding Session State

- Understanding Session State in Oracle Application Express
- Working on Session State in Oracle Application Express

Creating Page processing and Validation

- Introducing Page Processing and Validations
- Working on Computations and Branches

Validating and Debugging Your Application

- Using the Advisor
- Managing Your Attribute Dictionary
- Debugging Your Application

Adding Shared Components

- Introducing Shared Components
- Creating Tabs, List, Breadcrumbs etc

Working with Themes, Templates and Files

- Using Themes
- Using Templates
- Using Files

Implementing Security

- Create Authentication for application using authentication schema
- Using Authorization and session state.

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

- Understanding on Team Development
- Managing Feedback

