



Oracle Application Express (Apex) Course Content:35-40hours

Course Outline

Introduction to Apex

- Intro
- Architecture
- Versions
- Documentation
- Software Requirements

Getting started

- Application Homepage
- Developer Navigation Bar
- Page Editor
- Page Rendering and Processing
- Shared Components

SQL Workshop

- Browsing, Creating and Modifying Objects
- Issuing adhoc SQL commands
- Processing Ad Hoc SQL Statements
- Managing Scripts
- Creating, Running and Saving SQL Queries

Creating Reports

- Basic Reports
- Report Analysis Pages
- Interactive Reports
- Report and Column Attributes
- Report Layout and Pagination
- APEX ITEM package

Forms

- Master Detail Form
- Generating Primary Keys



- Procedure based Form

Calendars and Charts

- Calendar wizard
- SQL Calendar
- Calendar Attributes
- Date Intervals
- Calendar Links
- Flash Charts
- SVG Charts
- HTML Charts
- Chart Asynchronous Updates

Managing session state

- Session overview
- Page URL Syntax
- Session State Page
- Setting and Getting Session Data
- Clearing Session Data
- Bookmarking Public Pages

Navigation

- Navigation Bars
- Bread Crumbs
- Tab Sets
- Lists
- Trees

Validations and Computations

- Item level validations
- Page level validations
- Custom validations using PL/SQL
- Page Computations

JavaScript and CSS

- JavaScript Overview
- Adding JavaScript to an Application
- Referencing Page Elements with JavaScript
- JavaScript Events
- Cascading Style Sheets Overview
- Uploading and using CSS in Apex

Page Layout

- Page Templates
- Substitution Strings
- Regions
- Page 0

Uploading and Downloading Documents

- Uploading Documents to Apex
- Displaying Uploaded Documents
- Making Documents Available for Download
- Storing Document Attributes
- Storing Documents in Custom Tables

Web Services

- Web Service Overview
- SOAP Simple Object Access Protocol
- WSDL Web Services Description Language
- UDDI Universal Description, Discovery, and Integration
- Creating Web Services from a WSDL
- Creating Web Services Manually
- Displaying Web Service Results

Emailing with Apex

- Configuring Email Settings
- Enabling Network Services for Oracle 11g
- Sending Text and HTML Email
- Sending Email Attachments
- Viewing Email Queue and Logs

Creating PDFs

- PDF Printing with Apex
- Installing BI Publisher
- Configuring Apex to Work with BI Publisher
- Creating Simple PDF Report
- Creating Master-Detail PDF Report
- Using BI Publisher Desktop for Customized PDF Reports

Administering Apex workspaces

- Managing Users
- Provisioning options
- Provisioning a schema
- Provisioning extra workspace storage
- Workspace reports
- Locking workspaces

- Removing workspaces

Security

- Authentication
- Configuring LDAP Authentication
- Authorization
- Creating and Using Access Control Page
- Session State Protection

Using Utilities

- Importing and Exporting Data
- Generating Data Definition Language Statements
- Viewing Object Reports
- Monitoring the Database

Globalization

- Language Preferences
- Translating Applications and Messages
- Language Identification
- Translating Internal Messages

Deploying Applications

- Deployment Options
- Packaged Applications
- Exporting Application Metadata
- Supporting Objects Page
- Exporting Supporting Objects
- Importing an Application