

11G ORACLE DEVELOPERS Training Program

Complete OCP Track Training



ORACLE®



Developers manage the industry's most advanced information systems and command some of the highest salaries. This credential is your first step toward success as an Oracle professional, and demonstrates your firm foundation in the administration of Oracle base development. The Training programs Covers SQL, PL/SQL and Oracle Forms and Reports. The participant covers the complete developer track of oracle 11g.

Oracle Certification Information (OCP - DBA)

Exam Number:	1Z0-147, 1Z0-141, 1Z0-146
Associated Certifications:	Oracle Database 11g DBA OCA + P
Duration:	90 minutes Each Course
# Of Questions:	66, 68, 69
Passing Score:	66%, 68%, 68% of Each Course

Program is offered by: **3D Educators – Trainers & Consultants**

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3D EDUCATORS

TRAINERS & CONSULTANTS

Program Details

INAUGURATION

The Training Program will be inaugurated by a senior member of 3DEducators

PROGRAM STRUCTURE

Duration of each class	3-Hour
Total Duration	6 Months

OTHER LEARNING ACTIVITIES:

Classroom Assignments	6
Presentations by Trainees	1
Hands on Training	
Interactive Training With server Technologies	

ABOUT THE PROGRAM INSTRUCTOR

The “11G DBA Developer Track” training program has designed by the Oracle Corporations.

The “11G DBA Developer Track” Program has been conducted by Senior certified and qualified 11g Programmers and I.T. professionals, who having the extensive experience of training and implementation of Oracle Forms, PL/SQL and Reports on the platform of 11g. They have worked with various large commercial banks, Private, Multinational and public sector companies.

They trainers are foreign qualified and having the degrees of MBA, BCS along with the certification of Oracle E-Business Suit 11i 10, Oracle DBA and Siebel Certified Consultant, More they having the experience of Implementing ERP and database in local and multinational firms.

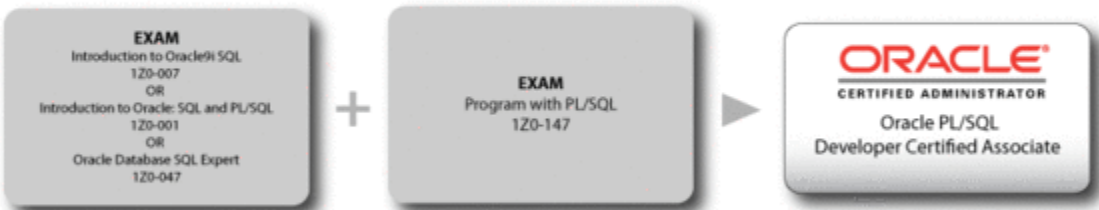
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Program Syllabus

Oracle Certification Program
Oracle PL/SQL and Oracle Forms Developer

Oracle Certified Associate



Oracle Certified Professional



SQL AND PL/SQL DEVELOPER WITH ORACLE 11G

Course Outline

Lesson 1: Introduction to Oracle: SQL, PL/SQL, and SQL*Plus

Topics:

- Introduction to SQL*Plus and iSQL*Plus
- Introduction to SQL
- Introduction to PL/SQL

Lesson 2: SQL*Plus Commands

Topics:

- Using SQL*Plus for Editing
- Using SQL*Plus to Work with Files
- Using SQL*Plus for Formatting Output
- Using SQL*Plus Variables

Lesson 3: Filtering and Sorting Data

Topics:

- WHERE Clause
- ORDER BY Clause

Lesson 4: SQL Functions

Topics:

- Expressions in a SELECT Statement
- Single Row Functions
- Group Functions

Lesson 5: Working with Multiple Tables

Topics:

- Joins
- Sub-queries
- Set Operators

Lesson 6: Tables and Constraints

Topics:

- Creating and Modifying Tables
- Integrity Constraints
- Managing Data in Tables
- Transaction Control Language Statements

Lesson 7: Other Database Schema Objects

Topics:

- Sequences, Synonyms, and Indexes
- Views
- Database Object Security

Lesson 8: Building PL/SQL Blocks

Topics:

- Creating PL/SQL Blocks

Manipulating Data in PL/SQL

Lesson 9: PL/SQL Control Structures

Topics:

Conditional Control Structures
Iterative Control Structures

Lesson 10: Cursors

Topics:

Introduction to Cursors
Implicit Cursors
Explicit Cursors
Cursor Loops

Lesson 11: Exception Handling

Topics:

Introduction to Exception Handling
Types of Exceptions

Lesson 12: Procedures and Functions

Topics:

Developing Procedures and Functions
Passing Parameters

Lesson 13: Oracle Packages

Topics:

Developing Packages
Oracle-supplied Packages

Lesson 14: Oracle Triggers

Topics:

Building a Trigger
Trigger Restrictions

Lesson 15: PL/SQL Collections

Topics:

Defining and Using Collections
Collection Methods

ORACLE FORMS

CHAPTER 1: INTRODUCING ORACLE FORMS DEVELOPER AND FORMS SERVICES

- Grid Computing
- Oracle 10g Products
- Oracle Application Server Architecture
- Oracle Forms Services Architecture
- Benefits and Components of Oracle Developer Suite
- Running a Forms Developer Application
- Working in the Forms Developer Environment

CHAPTER 2: CREATING FORMS MODULES

- Creating a Basic Forms Module
- Creating a Master-Detail Forms Module
- Modifying the Data Block
- Modifying the Layout

CHAPTER 3: WORKING WITH DATA BLOCKS AND FRAMES

- Using the Property Palette
- Managing Object Properties
- Creating and Using Visual Attributes
- Controlling the Behavior and Appearance of Data Blocks
- Controlling Frame Properties
- Creating Control Blocks
- Deleting Data Blocks

CHAPTER 4: WORKING WITH INPUT ITEMS

- Creating Text Items
- Controlling the Behavior and Appearance of Text Items
- Creating LOVs
- Defining Editors
- Creating Check Boxes
- Creating List Items
- Creating Radio Groups

CHAPTER 5: WORKING WITH NON INPUT ITEMS

- Creating a Display Item
- Creating an Image Item
- Creating a Push Button
- Creating a Calculated Item
- Creating a Hierarchical Tree Item
- Creating a Bean Area Item

CHAPTER 6: CREATING WINDOWS AND CANVASES

- Overview of Windows and Canvases
- Displaying a Form Module in Multiple Windows
- Creating a New Window
- Displaying a Form Module on Multiple Layouts
- Creating a New Content Canvas
- Creating a Stacked Canvas
- Creating a Toolbar
- Creating a Tab Canvas

CHAPTER 7: PRODUCING TRIGGERS

- Grouping Triggers into Categories
- Defining Trigger Components: Type, Code, and Scope
- Specifying Execution Hierarchy
- Using the PL/SQL Editor
- Using the Database Trigger Editor
- Writing Trigger Code
- Using Variables and Built-ins
- Using the When-Button-Pressed and When-Window-Closed Triggers

CHAPTER 8: DEBUGGING TRIGGERS

- The Debugging Process
- The Debug Console
- Setting Breakpoints
- Debugging Tips
- Running a Form in Debug Mode
- Stepping through Code

CHAPTER 9: ADDING FUNCTIONALITY TO ITEMS

- Coding Item Interaction Triggers
- Defining Functionality for Check Boxes
- Changing List Items at Run Time
- Displaying LOVs from Buttons
- Populating Image Items
- Populating and Displaying Hierarchical Trees
- Interacting with JavaBeans

CHAPTER 10: RUN-TIME MESSAGES AND ALERTS

- Built-Ins and Handling Errors
- Controlling System Messages
- The FORM_TRIGGER_FAILURE Exception
- Using Triggers to Intercept System Messages
- Creating and Controlling Alerts
- Handling Server Errors

CHAPTER 11: QUERY TRIGGERS

- Handling Server Errors
- SELECT Statements Issued During Query Processing
- WHERE and ORDER BY clauses and the ONETIME_WHERE property
- Writing Query Triggers
- Query Array Processing
- Coding Triggers for Enter-Query Mode
- Overriding Default Query Processing
- Obtaining Query Information at Run Time

CHAPTER 12: VALIDATION

- Validation Process
- Controlling Validation Using Properties
- Controlling Validation Using Triggers
- Performing Client-Side Validation with PJC
- Tracking Validation Status
- Using Built-ins to Control When Validation Occurs

CHAPTER 13: NAVIGATION

- Navigation Overview
- Understanding Internal Navigation
- Using Object Properties to Control Navigation
- Writing Navigation Triggers: When-New--Instance, Pre- and Post- Triggers
- The Navigation Trap
- Using Navigation Built-Ins in Triggers

CHAPTER 14: TRANSACTION PROCESSING

- The Commit Sequence of Events
- Characteristics and Common Uses of Commit Triggers
- Testing the Results of Trigger DML
- DML Statements Issued during Commit Processing
- Overriding Default Transaction Processing
- Running against Data Sources Other Than Oracle
- Getting and Setting the Commit Status
- Implementing Array DML

CHAPTER 15: WRITING FLEXIBLE CODE

- What is Flexible Code?
- Using System Variables for Flexible Coding
- Using Built-in Subprograms for Flexible Coding
- Referencing Objects by Internal ID
- Referencing Items Indirectly

CHAPTER 16: SHARING OBJECTS AND CODE

- Benefits of Reusable Objects and Code
- Working with Property Classes
- Working with Object Groups
- Copying and Subclassing Objects and Code
- Working with Object Libraries
- Working with SmartClasses
- Reusing PL/SQL
- Working with PL/SQL Libraries

CHAPTER 17: USING WEBUTIL TO INTERACT WITH THE CLIENT

- Benefits of WebUtil
- Integrating WebUtil into a Form
- Interacting with the Client

CHAPTER 18: INTRODUCING MULTIPLE FORM APPLICATIONS

- Multiple Form Applications Overview
- Starting Another Form Module
- Defining Multiple Form Functionality
- Sharing Data among Modules

ORACLE REPORTS**Prerequisites**

Before entering the program, students should have a working knowledge of spreadsheet software (Excel preferred). Intermediate, Graduates/I.T. prerequisite by successfully completing the prior studies.

ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

PRECAUTIONARY MEASURES

- ✓ During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- ✓ Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- ✓ If you have taken the admission in the course online, ethically it is recommended and suggested that you only avail this facility.
- ✓ Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions.

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

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CONTACT US:

9221-34141329

9221-34857148

0333-2402474

0322-2083032

info@3deducators.com

<http://www.3deducators.com>

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MANAGEMENT

3D EDUCATORS – TRAINERS & CONSULTANTS

ORACLE®

Certified Associate

THIS CERTIFIES THAT

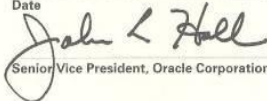
Halla Abd Elhamied Ibrahim

IS RECOGNIZED BY

THE ORACLE CERTIFICATION PROGRAM AS AN
Oracle PL/SQL Developer Certified Associate

May 16, 2006

Date


Senior Vice President, Oracle Corporation

