

uCertify

Course Outline

**Oracle Database 11g:
Advanced PL/SQL**



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Lesson



Practice test

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Here's what you get

Features

10. Post-Assessment

1. Course Objective

Start your prep for the Oracle PL/SQL Developer certified associate professional certification exam with the Oracle Database 11g: Advanced PL/SQL course. The cert guide offers complete coverage of the 1Z0-146 exam objectives and includes topics such as analyzing, developing, and developing PL/SQL codes; performance and tuning; profiling and tracing PL/SQL codes; improving performance with caching, and many more. The course will help you learn the skills of securing and safe guarding your PL/SQL code.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

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EXERCISES

4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



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QUIZZES

5. Flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



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FLASHCARDS

6. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



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GLOSSARY OF
TERMS

7. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

8. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

9. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

10. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's

finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 5 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas

3. Best Learning Relationship Management Solution

11. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Oracle11g: Advanced PL/SQL

- Introduction
- Introduction to PL/SQL

Chapter 2: PL/SQL Programming Concepts: Review

- List restrictions on calling functions from SQL expressions
- Hand exceptions
- Manage dependencies
- Use Oracle-supplied packages

Chapter 3: Designing PL/SQL Code

- Identify guidelines for cursor design
- Use cursor variables
- Create subtypes based on existing types

Chapter 4: Working with Collections

- Create collections (nested table, array and associative arrays, PL SQL tables)
- Use collections methods
- Manipulate collections
- Distinguish between the different types of collections and their uses

Chapter 5: Using Advanced Interface Methods

- Execute external C programs from PL/SQL

- Execute Java programs from PL/SQL

Chapter 6: Implementing Fine-Grained Access Control for VPD

- Explain the process of fine-grained access control
- Implement and test fine-grained access control

Chapter 7: Manipulating Large Objects

- Create and manage LOB data types
- Use the DBMS_LOB PL/SQL package
- Use of temporary LOBs

Chapter 8: Administering SecureFile LOBs

- Describe SecureFile LOB features
- Enable SecureFile LOB deduplication, compression, and encryption
- Migrate BasicFile LOBs to the SecureFile LOB format

Chapter 9: Performance and Tuning

- Use native and interpreted compilation methods
- Tune PL/SQL code

- Enable intraunit inlining

Chapter 10: Improving Performance with Caching

- Improve memory usage by caching SQL result sets and using the DBMS_RESULT_CACHE package
- Write queries that use the result cache hint
- Set up PL/SQL functions to use PL/SQL result caching

Chapter 11: Analyzing PL/SQL Code

- Run reports on source code
- Determine identifier types and usages
- Use DBMS_METADATA to retrieve object definitions

Chapter 12: Profiling and Tracing PL/SQL Code

- Trace PL/SQL program execution
- Profile PL/SQL applications

Chapter 13: Safeguarding Your Code Against SQL Injection Attacks

- Describe SQL injections
- Reduce attack surfaces

- Use DBMS_ASSERT
- Design immune code
- Test code for SQL injection flaws

12. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

Here's what you get

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PRE-ASSESSMENTS QUESTIONS

71
POST-ASSESSMENTS QUESTIONS

Features

Full Remediation

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Learn, Test and Review Mode

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

Have Any Query? We Are Happy To Help!

GET IN TOUCH:

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