Oracle Database 12c R2: SQL Workshop 2

Category: AI, Data & Analytics | **Vendor:** Oracle

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This Oracle Database: SQL Workshop II helps you enhance your skills as an Application developer by learning how to manage the database objects, data dictionary views and multicolumn subqueries. Expert Oracle instructors will teach you how to write more efficient queries using the functions that support timezone and regular expressions.

About This Course

- Grant and revoke privileges and roles.
- Manage schema objects and data dictionary views.
- Write efficient and complex subqueries.
- Use the in-built functions supporting the usage of regular expressions and time zone.
- Use the regular expression support in SQL.

Advanced Features of SQL:

By enrolling in this course, you'll also gain exposure to using the advanced features of SQL to query and manipulate data within the database. Learn to control privileges at the object and system level, while deep diving into advanced querying and reporting techniques.

Reinforce Your Knowledge with Hands-On Practices:

During this SQL workshop, you'll use Oracle SQL Developer as the main environment tool for writing SQL. SQL*Plus is introduced as an optional tool. Demonstrations and hands-on practice reinforce new concepts that are introduced.

Who Should Attend

- Forms Developer
- Functional Implementer
- System Analysts
- Application Developers
- PL/SQL Developer

Prerequisites & Entry Requirements

General Prerequisites:

- Familiarity with SQL Developer, SQL*Plus
- Basic Knowledge of SQL
- delegates should have attended or have knowledge to Oracle Database 12c R2: SQL Workshop 1 (OCDSQLW1)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

At the end of this course you will be able to:

- Add new users with different levels of access privileges
- Manage schema objects
- Run data definition language (DDL) statements to create and manage schema objects
- Manage objects with data dictionary views
- Control database access to specific objects
- Manipulate large data sets in the Oracle database by using subqueries
- Manage data in different time zones
- Write multiple-column subqueries
- Use scalar and correlated subqueries
- Use the regular expression support in SQL

Detailed Course Outline

Introduction

- Course Objectives, Course Agenda and Appendixes Used in this Course
- Provide an insight of the development environments
- Tables used in the Course
- Review of the SQL Concepts

Introduction to Data Dictionary Views

- Introduction to Data Dictionary

- Describe the Data Dictionary Structure

- Using the Data Dictionary Views

- Querying the Data Dictionary Views

Creating Sequences, Synonyms, Indexes

- Overview of sequences

- Overview of synonyms

- Overview of indexes

Creating Views

- Overview of views

Managing Schema Objects

- Managing constraints

- Creating and using temporary tables

- Creating and using external tables

Retrieving Data by Using Subqueries

- Retrieving Data by Using a Subquery as Source

- Working with Multiple-Column subqueries

- Using Scalar subqueries in SQL

- Correlated Subqueries

- Working with the WITH clause

Manipulating Data by Using Subqueries

- Using Subqueries to Manipulate Data

- Inserting by Using a Subquery as a Target

- Using the WITH CHECK OPTION Keyword on DML Statements

- Using Correlated Subqueries to Update and Delete rows

Controlling User Access

- System privileges

- Creating a role

- Object privileges

- Revoking object privileges

Manipulating Data

- Overview of the Explicit Default Feature

- Using multitable INSERTs

- Using the MERGE statement

- Performing flashback operations

- Tracking Changes in Data

Managing Data in Different Time Zones

- Working with CURRENT_DATE, CURRENT_TIMESTAMP,and LOCALTIMESTAMP

- Working with INTERVAL data types

- Using Datetime functions in queries

Skills You Will Learn:

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

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Frequently Asked Questions

Q: What delivery options are available for Oracle Database 12c R2: SQL Workshop 2?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Oracle Database 12c R2: SQL Workshop 2 course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Oracle Database 12c R2: SQL Workshop 2 training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Oracle Database 12c R2: SQL Workshop 2?

Yes, we provide corporate training, dedicated training, and closed classes for Oracle Database 12c R2: SQL Workshop 2. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Oracle Database 12c R2: SQL Workshop 2, Oracle Database Training, OCDSQLW2

Q: Why choose Nexus Human for Oracle Database 12c R2: SQL Workshop 2?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Oracle Database 12c R2: SQL Workshop 2 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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