Szkolenie: Oracle

Oracle Database 12c: Introduction to SQL Ed 1.1

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	7450 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	8050 PLN NETTO*	5 dni
Metoda dlearning	Tradycyjne	7450 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	7450 PLN NETTO*	5 dni

* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

Cel szkolenia:

This Oracle Database: Introduction to SQL training helps you write subqueries, combine multiple queries into a single query using SET operators and report aggregated data using group functions. Learn this and more through hands-on exercises.

Plan szkolenia:

- Introduction
  - Course Objectives, Course Agenda and Appendixes Used in this Course
  - Overview of Oracle Database 12c and Related Products
  - Overview of relational database management concepts and terminologies
  - Introduction to SQL and its development environments
  - What is Oracle SQL Developer?
  - Starting SQL*Plus from Oracle SQL Developer
  - The Human Resource (HR) Schema
  - Tables used in the Course
- Retrieving Data using the SQL SELECT Statement
  - Capabilities of the SELECT statement
  - Arithmetic expressions and NULL values in the SELECT statement
  - Column aliases
  - Use of concatenation operator, literal character strings, alternative quote operator, and

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    - the DISTINCT keyword
    - Use of the DESCRIBE command
- Restricting and Sorting Data
    - Limiting the Rows
    - Rules of precedence for operators in an expression
    - Substitution Variables
    - Using the DEFINE and VERIFY command
- Using Single-Row Functions to Customize Output
    - Describe the differences between single row and multiple row functions
    - Manipulate strings with character function in the SELECT and WHERE clauses
    - Manipulate numbers with the ROUND, TRUNC and MOD functions
    - Perform arithmetic with date data
    - Manipulate dates with the date functions
- Using Conversion Functions and Conditional Expressions
    - Describe implicit and explicit data type conversion
    - Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions
    - Nest multiple functions
    - Apply the NVL, NULLIF, and COALESCE functions to data
    - Use conditional IF THEN ELSE logic in a SELECT statement
- Reporting Aggregated Data Using the Group Functions
    - Group Functions
    - Creating Groups of Data
    - Restricting Group Results
- Displaying Data from Multiple Tables Using Joins
    - Introduction to JOINS
    - Types of Joins
    - Natural join
    - Self-join
    - Non equijoins
    - OUTER join
- Using Subqueries to Solve Queries
    - Introduction to Subqueries
    - Single Row Subqueries
    - Multiple Row Subqueries
- Using the SET Operators
    - Set Operators

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- UNION and UNION ALL operator
- INTERSECT operator
- MINUS operator
- Matching the SELECT statements
- Using ORDER BY clause in set operations

- Managing Tables using DML statements
  - Data Manipulation Language
  - Database Transactions
- Introduction to Data Definition Language
  - Data Definition Language
- 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

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- 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

Wymagania:

Wymagane prerekwizyty:

- Data processing
- Familiarity with data processing concepts and techniques

Poziom trudności

Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

Prowadzący:

Autoryzowany wykładowca Oracle.

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