

Szkolenie: Oracle  
**Oracle Database: SQL Workshop I**


FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	4470 PLN NETTO*	3 dni
Stacjonarne	Tablet CTAB	5070 PLN NETTO*	3 dni
Metoda dlearning	Cyfrowe	4470 PLN NETTO*	3 dni
Metoda dlearning	Tablet CTAB	4470 PLN NETTO*	3 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 course offers you an introduction to Oracle Database 12c database technology. You will learn the concepts of relational databases and the powerful SQL programming language. Discover essential SQL skills that allow developers to write queries against single and multiple tables, manipulate data in tables and create database objects.

### Learn To:

- Understand SQL statements, as well as the Oracle Relational Database.
- Use SQL Developer.
- Write reports using SQL statements.
- Manipulate data in relational tables and save the data.
- Understand the concepts of relational databases and the powerful SQL programming language.
- Write reports using SQL Statements

## 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 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
  - 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

## Wymagania:

### Recommended Related Training Courses:

- Using Java - for PL/SQL and Database Developers
- Oracle Database: SQL Workshop II NEW
- Oracle Database: Develop PL/SQL Program Units NEW
- Oracle Database: PL/SQL Fundamentals NEW

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Autoryzowany wykładowca Oracle.