

Szkolenie: Oracle  
MySQL Developer Techniques with Advanced Stored Procedures

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	8950 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	9550 PLN NETTO*	5 dni
Metoda dlearning	Cyfrowe	8950 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	8950 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 **MySQL Developer Techniques with Advanced Stored Procedures** training guides developers through advanced level MySQL Developer topics. Lessons from the MySQL Developer Techniques and MySQL Advanced Stored Procedures courses will be covered in one week.

## Plan szkolenia:

- Introduction
  - MySQL Overview, Products and Services
  - Supported Operating Systems
  - MySQL Certification Program
  - Training Curriculum Paths
  - MySQL Website
  - Installing MySQL
  - Installing the world database
- Improving Performance with Indexes
  - Query Executions in MySQL
  - Why Indexes?
  - When MySQL Uses an Index
  - Optimize Indexes

- Improving Searches of Date and Text Fields
  - Strings in Multiple Columns
  - Case Sensitivity
  - INET\_ATON and INET\_NTOA functions
  - Searching Dates
  - String Dates to SQL Dates
  - Dates to Integer Values
  - Dates to Strings
  - Nonspecific Date Searches
- Improving Inserts and Updates
  - INSERT Process
  - Storage Engine Specifics
  - MySQL Extensions
- Improving Calculations
  - Aggregate Multiplication Functions
  - Running Total Queries
  - Avoiding Division by Zero
  - Median Values
  - Simulating RANK
  - Solving Complex Problems
  - Miscellaneous
- Improving Joins
  - Query Optimizer
  - EXPLAIN
  - Overview of JOINS
  - Improving JOIN performance
- Trees and Hierarchical Data
  - Graph, Trees and Hierarchies
  - Adjacent List Structures
  - Nested Set Structures
  - Path Enumeration
- Utilizing Advanced Index Structures
  - MySQL Index Types
  - FULL TEXT Indexes
  - Simulating Function Based Indexes in MySQL
  - Optimizing End of Field Searches

- Working with Locking Levels
  - Locks
  - Explicit Table Locks
  - Storage Engine Locking Techniques
  - Locking Issues
- Creating Reports
  - Calculate Multiple Conditions
  - Create a Calculated Report
  - Quarterly Reports
  - SQL Bar Chart
  - Decision Tables
  - Materialized Views
  - Producing Sequential or Missing Data
- MySQL Stored Procedures Foundation
  - Compound Statements
  - Assigning Variables
  - Parameter Declarations
  - MySQL Supported Operators and Built-in Functions in Stored Routines
  - Obtain Information on Stored Routines
  - Alteration and deletion of Stored Routines
  - Backing Up/Recovery Stored Routines
  - Binary Logging of Stored Routines
- SQL and MySQL Stored Procedures
  - Flow Control Statements
  - SQL in Stored Routines
  - Dynamic SQL
- Handling Exceptions and Errors
  - Error Handling Capabilities and Limitations
  - Implementing Error Handlers
  - Other Handler Issues
  - Error Handling Limitations
- Managing Triggers
  - Creating Triggers
  - Obtain Information on Triggers
  - Delete Triggers
  - Trigger Limitations

- Data Security
  - Set Permissions
  - View or Stored Routine?
  - Invoker Rights Error
  - Preventing Code Injection
- Best Practices
  - Fundamental Programming Best Practices
  - Coding Style and Conventions
  - Variable Use Best Practices
  - Flow Control Best Practices
  - Dynamic SQL Best Practices
- Conclusion
  - Course Overview
  - Training and Certification Website
  - Course Evaluation
  - Thank You!
  - QA Session

## Wymagania:

- Attendance to the [MySQL for Developers](#) course, or an equivalent mastery of database concepts, SQL and the MySQL server.
- Be able to create user defined variables, prepared statements and stored procedures
- Have experience with complex queries like joins and subqueries
- Have experience with simple SQL queries

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Autoryzowany wykładowca Oracle.