kod szkolenia: SQL01 / ENG AA 2d

Creating Database Queries on the MS SQL Server Platform

Training recipients

Training for users who want and should learn the standard language of communicating with databases, in particular with MS SQL Server.

Benefits

Students will learn about the world standard in communicating with databases. They will learn to retrieve data from the database using the T-SQL language. They will be able to optimize the queries that are created by the wizard in the MS Query tool in Excel.

Training program

1. Discussion of the basic issues related to relational databases (on the example of the database on the SQL Server platform)
   - Tables
   - Fields
   - Keys
   - Indices
   - Relations
   - Integrity ties
   - Views
   - Stored procedures.
2. Creating selection questions (SQL language)
   - SELECT phrase

- Data filtering (WHERE)
- Data sorting (ORDER BY)
- Grouping data (GROUP BY)
- Aggregating data (SUM, AVG, MIN, MAX, COUNT)
- Joining tables (WHERE ... = ..., WHERE ... IN ..., INNER JOIN, LEFT JOIN, etc.)
- Combining data from various databases
- Using text functions (LEFT, RIGHT, SUBSTRING, etc.)
- Conditional phrases
- Data type conversion.

3. Creating functional queries
   - Adding data (INSERT)
   - Modifying data (UPDATE)
   - Deleting data (DELETE)
   - Deleting tables (DROP TABLE).
4. Downloading data from SQL Server using Microsoft Excel
   - Creating connections to MS SQL Server data
   - MS Query supplement.

Expected preparation of the participant

Good knowledge of the Windows environment. Good knowledge of Excel.

Czas trwania

2 dni / 14 godzin

Language

- Training: English