

Course syllabus

CATEGORY

SQL, Oracle, Access courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

637,40 €

PRICE INCL. VAT

784,00 €

including 23 % VAT

Database Analyst I - Key Skills

Clear overview of course topics, training scope and key information.

The Database Analyst I competence course is intended for all interested participants who want to find employment on the labor market and learn to work with database functions. The package consists of the Power BI - 1 course and SQL SERVER Working with a Database 1. Only the course start is shown in the date; we will inform you about the other dates.

COURSE CONTENT

01

Power BI 1.

Application description

02

Getting Data from Various Sources

from Excel from text files from the web from a database

03

Editing Data in the Power Query Editor

04

Creating a Data Model

multiple tables in the data model Relationships between tables Date table Hierarchy Selected DAX functions - row, table Weights

05

Data Visualization

different visuals - table, matrix charts visual formatting show / hide details

06

Filters

at visual level at page level at report level

07

Create Your Own Tooltip

08

Creating a Detail Page

09

Report Reversal Options

10

SQL SERVER Working with a Database 1.

overview and familiarization with the Microsoft SQL Server environment
installation and basic database setup - creating and editing databases,
explanation and division by types tables - creating and editing tables, setting
data types keys and relational relationships between tables creating database
diagrams working with data, creating and editing views, benefits of their use,
working with data in tables ensuring data integrity working with data, filtering,
working with multiple tables, joins, views, stored procedures, Triggers,
transactions, lock types and their use SQL language syntax T-SQL
commands SELECT, INSERT, UPDATE, DELETE, CREATE TABLE, ALTER
TABLE Nested functions and SELECTS. Working with text (LTRIM, RTRIM,
UPPER, LOWER, LEN). Data cleaning (LEFT, RIGHT, SUBSTRING,
REPLACE, CONCAT, CHARINDEX, REPLICATE, STUFF). Conversion
between individual data formats (CONVERT, CAST, TRY_CAST,
TRY_CONVERT). Joining tables (UNION, UNION ALL, INTERSECT,
EXCEPT, SELF JOIN). Temporary tables (Common Table Expression, TEMP
Table). Searching data using Windows Function (Aggregate Function, Ranking
Function, Value Function). Query Tuning.

This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.

<https://www.macrosoft.sk/en/courses/database-analyst-i-key-skills>