

KOENIG SOLUTIONS • COURSE OUTLINE

Get and Transform Data with Power Query (M Programming) in Power BI

Learn to extract, transform and combine data using Power Query and the M language in Power BI.

5

MODULES

25

TOPICS

COURSE OVERVIEW

This course covers Power Query concepts and how they apply within Power BI and Excel, followed by connecting to relational databases, files and other data sources. It then explains transforming data through query steps, column and row operations, sorting, unpivoting, transposing and custom columns. The course introduces the M language, including writing M in the Query Editor, lists, records, tables and functions, and building relationships between tables in the model. Finally, it addresses working with multiple queries, including referencing, appending, merging and explicit calculated fields.

WHO THIS COURSE IS FOR

Power BI Developers

Data Analysts

Business Intelligence Professionals

Excel Power Users

Report Developers

LEARNING OBJECTIVES

- Explain Power Query concepts and their use in Power BI and Excel
- Connect to relational databases, files and other data sources
- Apply query steps to filter, sort and change table values
- Transform data by unpivoting and transposing columns and rows
- Create custom columns within Power Query
- Write M code and describe core M language concepts
- Build relationships between tables in the data model
- Combine data by appending and merging multiple queries

5 Modules, 25 Topics

01

Power Query Overview

TOPICS

Power Query and Power BI · Power Query and Excel · Power Query Concepts · Power Query Walkthrough

02

Data Sources

TOPICS

Querying Relational Databases · Extracting Data from Files · Using Other Data Sources

03

Transforming Data with Power Query

TOPICS

Understanding Query Steps · Working with Columns · Filtering Rows · Sorting a Table · Changing Values in a Table · Unpivoting Columns and Rows · Transposing a Table · Creating Custom Columns

04

Introducing M

TOPICS

- Writing M in the Query Editor
- Understanding M Language Concepts
- Creating Relationships between Tables in the Model
- Lists Records and Tables
- Functions

05

Working with Multiple Queries

TOPICS

- Using One Query as a Source for Another
- Working with Data from Different External Data Sources
- Appending Data from One Query to Another
- Merging Two Queries
- Explicit Calculated Field

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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