

Azure Data: Relational, Non-Relational & SQL Queries

Learn to explore relational and non-relational data in Azure, build modern data warehouse analytics, and write SQL queries.

5

MODULES

18

TOPICS

COURSE OVERVIEW

This course introduces core data concepts, including roles and responsibilities in data, and the distinctions between relational, non-relational and analytics data. It then examines relational and non-relational data offerings in Azure, covering how to provision, deploy, query and manage these data stores. It goes on to explore modern data warehouse analytics, including data ingestion, storage and processing in Azure and getting started with Power BI. A dedicated SQL workshop covers writing SELECT queries, sorting and filtering data, querying multiple tables, built-in functions, data modification, grouping and aggregating data, set operators, and DDL operations.

WHO THIS COURSE IS FOR

Data Analysts

Database Administrators

Data Engineers

BI Developers

SQL Developers

LEARNING OBJECTIVES

- Describe core concepts of relational and non-relational data
- Explain roles and responsibilities in the world of data
- Identify relational data offerings in Azure
- Deploy and query relational data services in Azure
- Deploy and manage non-relational data stores in Azure
- Explain components of a modern data warehouse
- Describe data ingestion, storage and processing in Azure
- Apply SQL statements such as SELECT, DML and DDL operations

5 Modules, 18 Topics

01

Explore Core Data Concepts

TOPICS

- Explore core data concepts
- Explore roles and responsibilities in the world of data Describe concepts of relational data
- Explore concepts of non-relational data Explore concepts of data analytics

02

Explore Relational Data in Azure

TOPICS

- Explore relational data offerings in Azure
- Explore provisioning and deploying relational database offerings in Azure Query relational data in Azure

03

Explore non-relational Data in Azure

TOPICS

- Explore non-relational data offerings in Azure
- Explore provisioning and deploying non-relational data services in Azure Manage non-relational data stores in Azure

04

Explore Modern Data Warehouse Analytics

TOPICS

- Examine components of a modern data warehouse Explore data ingestion in Azure
- Explore data storage and processing in Azure Get started building with Power BI

05

SQL Workshop

TOPICS

- Introduction to Microsoft SQL Server
- Writing SELECT Queries
- Sorting and Filtering Data
- Querying Multiple Tables
- Using Built-In Functions
- Using DML to Modify Data
- Grouping and Aggregating Data
- Using SET Operators
- DDL Operations -- Create, Alter, Drop

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.

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