



Virtual Training • Facilitator-led

SQL Fundamentals

Do you want to upskill yourself in one of the most popular languages in the data world?

Then this course is for you.

Structured Query Language (SQL) is regarded as one of the most popular languages in the data world.

SQL is the standard and most widely used programming language for relational databases. It is used to manage and organise data in all sorts of systems in which various data relationships exist. SQL is a valuable programming language with strong career prospects.

Let's assist you and your team to gear yourself with SQL knowledge to your toolkit to take advantage of the world of analytics.



Audience Overview

This course is designed for the beginner SQL user. It is for anyone who works with data – regardless of technical or analytical background. During this course, you should be able to gain a basic understanding of what SQL is about and how to use its most common functionalities.

Typical users include:

- Analytics teams or users that interact with the team's data.
- Students looking to advance their careers in the data world.
- Users that will typically build reports.



Course Outcomes

At the end of this course, you should be able to gain a basic understanding of SQL principles and fundamentals.

Topics covered during the course include:

- Relational databases
- Writing the following basic SELECT statements: WHERE, BETWEEN, NULL, ORDER, TOP, GROUP BY, DISTINCT, SELECT, INTO, etc.
- Querying from more than one data source, using JOINS and UNIONS
- Writing subqueries and CTE's
- Inserting, Updating, Altering, Deleting and Truncating data
- Working with functions like LEFT, LEN, CONCAT, IF, CASE and CONVERT
- Working with temp tables
- Creating, querying and deleting a VIEW



Course Outline

Included:

This course includes a workbook containing key concepts on each topic covered, with hands-on activities to reinforce the skills and knowledge attained.

Duration:

16
Hours

Prerequisites:

- Microsoft Teams access
- SQL Server installed
- The AdventureWorks 2019 Database restored on SQL Server