

Summarizing & Analyzing Data with SQL: Prerequisites and Curriculum



About the Workshop

In this **3-hour hands-on workshop**, you'll learn how to use SQL to **summarize and analyze data** to answer common business questions and uncover meaningful insights from your data.

This session will focus on using SQL to move beyond individual records and begin analyzing data across groups and categories. Through hands-on exercises, you'll practice using **aggregate functions such as SUM, COUNT, AVG, MIN, and MAX**, grouping data with **GROUP BY**, and applying **HAVING** to filter summarized results. You'll use these techniques to answer realistic questions such as identifying totals, averages, counts, and performance across different categories.

By the end of the workshop, you'll understand how to use SQL to **turn detailed data into meaningful summaries** and feel more confident analyzing datasets to answer real-world business questions.

SQL Prerequisites Skills

The skills listed below are **required prerequisites** for participation in the workshop. If you are **not yet comfortable** using these skills in SQL, we kindly ask that you **do not register at this time**, as these topics **will not be covered during the workshop**.

Database structure

Text, dates, and numeric data types

Basic data extracting using SELECT and FROM

Order by

Where

Limiting data

