

Intermediate SQL Boot Camp: Prerequisites and Curriculum



About the Boot Camp

This Intermediate SQL Boot Camp is designed for learners who are ready to move beyond basic queries and start working with more realistic, complex datasets. The course focuses on advanced filtering techniques, working with dates and text fields, and understanding how to connect data across multiple tables to support deeper analysis.

Through hands-on exercises and real-world scenarios, you'll practice writing queries that answer meaningful business questions, improve data accuracy, and streamline analysis workflows. By the end of the boot camp, you'll be more confident navigating complex SQL queries and interpreting results used in reporting and decision-making.

SQL Prerequisites Topics

Database structure

Order by (Sorting data)

Where (Filtering data)

Calculated fields

Text, dates, and numeric data types

Topics Required to Know:

Database Structure and Data Types

Overview of relational databases, data flow, and review common SQL terms

Database, schema, and tables overview

Retrieving Data from a Single Table

Retrieve data from a single table via the utilization of **SELECT** and **FROM** statements

Sort data using **ORDER BY** statements

Filtering Data

Utilize conditional operators to filter data using **WHERE** statements

Curriculum: 14 Hours

Manipulate Date Data

Learn how to work with dates in SQL and extract details such as the month name, day name, year, and quarter.

Extract Data From Multiple Tables in One Query

Use INNER and LEFT joins to combine related tables, select matching records, and understand how relationships affect query results.

Filter Data Using More Intermediate Conditions

Learn how to filter data using intermediate conditional operators to answer more detailed business questions.

Summarize and Calculate KPIs

Summarize and calculate data using GROUP BY and aggregate functions, including COUNT, SUM, AVG, MIN, and MAX.



DATA TELLS A STORY. BE THE STORYTELLER