

SQL Beginner to Intermediate Training Curriculum



SQL Training Topics

Database structure

Order by

Where

Group By

Aggregate functions

Having

Joins (Inner and Full)

Calculated fields

Text, dates, and numeric data types

Case statements

Training Syllabus

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

Sorting data using **ORDER BY** statements

Filtering, Calculating, and Aggregating Data

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

Perform mathematical operations on multiple fields via **calculated fields** and **aggregate functions**

Summarize aggregated data by categories while using **GROUP BY**

Retrieving Data from Multiple Tables

Retrieve data from at least 4 - 8 tables using various forms of **JOINS**

Logic Statements

Apply logic statements (If/then) to table data via **CASE** statements



DATA TELLS A STORY. BE THE STORYTELLER