

SQL Advanced Training Curriculum (Joins)



SQL Training Topics

Database structure

Order by

Where

Aggregate functions

Date functions

Joins (Left, Right, Inner, and Full)

Calculated fields

Text, dates, and numeric data types

Group By

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

Extract various date-based data from date fields

Filtering, Calculating, and Aggregating Data

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

Perform mathematical operations on multiple fields via calculated fields

Calculate formulas using **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 (FULL, INNER, RIGHT, LEFT)**



DATA TELLS A STORY. BE THE STORYTELLER