

SQL Beginner



Length: 2 Days / 4 Half Days

Overview: This course is designed to provide foundational knowledge of the SQL query language. Completion of this course will provide experience and knowledge in basic SQL functions, aggregate SQL functions, filtering, and conditional expressions. These skills will allow an analyst to understand data relationships, read and update SQL queries and to create basic and intermediate level queries of data.

Objectives:

- Use basic SQL queries to pull data from a database
- Use intermediate SQL functions such as aggregate calculations and conditional expressions

Introduction to SQL

- What is SQL?
- Data types
- Connecting to a database
- The SELECT statement
- FROM and WHERE
- AND, OR, NOT
- Practice queries

Joins and Nesting functions

- Join types
- Using Aliases
- Unions
- Practice queries

Capstone

Basic SQL Query Functions

- LIKE and wildcards
- CASE WHEN
- Aggregate functions- SUM, COUNT, MIN, MAX, AVG
- GROUPBY, ORDERBY & Having
- Practice queries
- Date Functions
- Text and Formatting Functions
- Practice queries

Prerequisites

No prerequisites for this course.

Materials

- Laptop or PC desktop- Dual monitors if possible
- Internet Access (Virtual environment will be provided with SQL software)

Other SQL Courses Available: SQL Advanced