

# SQL Query Language Advanced

## Prerequisites

A very good working knowledge in SQL, or our [Introduction SQL Query Language](#) course.

## Course Content

### Review of Structured Query Language

- SELECT
- UPDATE
- INSERT
- DELETE

### Advanced Select Statements

- The GROUP BY Clause
- The HAVING Clause
- Sub-queries
- Correlated Sub-queries

### Advanced Update & Delete Statements

### Programmability

- Variables
- Control-Of-Flow Statements
- IF
- WHILE
- CASE
- GOTO

### Managing Errors

- Responding To Errors
- PRINT

### Using Transactions

- Introduction To Transactions
- Transactional Error Handling

### Implementing Cursors

- Declaring Cursors
- OPEN
- CLOSE

### Stored Procedures

- Introduction To Stored Procedures
- Creating Stored Procedures
- Passing values into a Stored Procedure
- Returning Information from Stored Procedures
- Altering Stored Procedures

### Triggers

- Introduction To Triggers
- Creating Triggers

