

## Advanced SQL

This Advanced Course teaches complex SQL techniques to enable individuals to programme an SQL Server and understand the principles behind successful SQL database management - building upon prior knowledge and utilisation of SQL.

### Objective

This Advanced SQL Training Course teaches complex SQL practices to enable individuals to programme an SQL Server and to run query-based functions.

### Details

**Duration:** 2 Days

### Who is this course for

Candidates are required to possess either an "Introduction to SQL" certificate or have extensive prior experience and knowledge of SQL

## Course Content

- Advantages/Disadvantages of Stored Procedure Basics
- Declaring Variables - SET against SELECT, and Tips for Manipulating Variables
- Relational Databases
- Advanced SQL Language
- Avoiding Scalar Functions
- Passing Parameters and Return Values
- Variations of Testing Types
- Syntax Looping - Transactions, Looping, Rolling, Deleting, and Updating
- Syntax Fetching Rows
- Dealing With and Preempting Errors
- Inserting and Updating Data
- Data Modelling
- Schema Mapping
- Data Normalisation
- Relationship Modelling
- Primary and Foreign Keys
- Limitations of User-Defined Functions
- Measuring Performance
- Query Performance
- Creating and Joining Tables - Temporary, Inner, and Outer Joins

Silicon Beach Training Ltd

Moorgate House, 5-8 Dysart Street, London, EC2A 2BX