Advanced Snowflake SQL

2 day training course

Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

Stored procedures

- Choosing SQL as a language
- Creating stored procedures
- Different ways to execute

Variables

- Declaring variables
- Assigning values
- Tricks with variables

Testing conditions

- IF ... THEN ... END IF
- Using CASE where possible

Looping

- WHILE loops
- FOR loops
- Breaking out of loops

Stored procedure parameters

- Passing parameters
- Setting default values
- Dealing with null parameters

Scalar functions

- Syntax of user-defined functions
- Limitations of functions
- Examples of scalar functions

Table functions

- Syntax of table functions
- Passing parameters
- Limitations of table functions
- Joining results to tables

Deleting data

- Dropping and undropping tables
- Deleting rows
- Truncating tables

Inserting data

- Inserting single rows
- Inserting query results
- Selecting into new tables

Safe insertion

- Why this is so important
- MERGE INTO syntax
- Matched and unmatched data

Updating data

- Updating in single tables
- Updating using joins

System functions

- Getting query history
- Getting cluster information
- Other useful system functions

Error handling (*)

- Exception handling
- Setting specific exceptions
- Getting error information

Creating tables and relationships

- CREATE TABLE syntax
- Defining columns
- Adding relationships
- Why relationships are worth it

Temporary tables

- Creating temporary tables
- Temporary table scope

Advanced CTEs

- Revision of CTEs
- Chaining CTEs
- Recursive CTEs

Dynamic SQL (*)

- Constructing SQL commands
- The EXECUTE_IMMEDIATE command
- Drawbacks of dynamic SQL

Pre-requisites for Advanced Snowflake SQL course

You must already know how to create queries in Snowflake SQL to attend this course.

Prices

Venue	Address	Price per place
London	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,525 per person + VAT
Manchester	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,150 per person + VAT
Online	Your home or office!	£995 per person + VAT

Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Mon/Tue 20-21 April 2026	Online	09:30-16:30	£995 + VAT	Book this
Mon/Tue 27-28 April 2026	Manchester	09:30-16:30	£1,150 + VAT	Book this
Mon/Tue 22-23 June 2026	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 20-21 August 2026	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 03-04 September 2026	Manchester	09:30-16:30	£1,150 + VAT	Book this

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.