

Fast-track Snowflake SQL

3 day training course



Course contents

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

[From our Introduction to Snowflake SQL course](#)

Getting started with Snowflake

- Getting Snowflake
- The Snowsight interface

Snowflake concepts

- Compute versus storage
- Warehouses
- Role-based access control

Databases

- Creating databases
- Creating schemas
- Assigning roles

Basic ingestion

- Loading CSV files
- Confirming data types
- Primary keys are not enforced

The Horizon Catalog

- Database Explorer
- Users and roles

Basic Queries

- Projects and worksheets
- Creating queries
- Comments and coding standards

Running Queries

- Choosing lines to run
- Viewing run history

Criteria using WHERE

- Using wildcards
- Criteria for dates
- Coping with nulls

Calculated columns

- Expressions and aliases
- Data type conversion
- The CASE statement

Date calculations

- CURRENT_DATE()
- Converting and formatting dates
- Useful date functions

Relational databases

- Relational database design
- Joins are not enforced

Joins

- Inner joins
- Table aliases
- Left and right outer joins
- Cross joins

Aggregation and grouping

- Aggregation functions
- Various ways to count
- Grouping by fields
- Using HAVING to filter results

Common Table Expressions

- CTE syntax
- Avoiding repeated expressions
- Simplifying multiple grouped field queries

Subqueries

- Syntax of subqueries
- Using subqueries in a query



From our Advanced Snowflake SQL course

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

Creating tables and relationships

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

Temporary tables (*)

- Creating temporary tables
- Temporary table scope

Pre-requisites for Fast-track Snowflake SQL course

There aren't any specific pre-requisites for this course, but you probably won't enjoy it much if you're not already an experienced computer user who has done some work with databases.

Prices

Venue	Address	Price per place
London	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,995 per person + VAT
Manchester	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,695 per person + VAT
Online	Your home or office!	£1,350 per person + VAT

Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Wed/Fri 18-20 March 2026	Online	09:30-16:30	£1,350 + VAT	Book this
Wed/Fri 13-15 May 2026	Online	09:30-16:30	£1,350 + 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.