

DIGITAL INNOVATION AND TRANSFORMATION | COURSE BROCHURE

SQL for Business Analysts

5 days | Classroom training | English

SMART HORIZON

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Amsterdam
The Netherlands

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Course content

Why attend

SQL is the standard language for querying relational databases. This hands-on course teaches business analysts to retrieve, filter, join, aggregate and analyse data using SQL, write subqueries and common table expressions, use window functions and prepare datasets for reporting and analysis.

Analysts who can query data directly work faster and depend less on IT. This course gives you practical SQL skills for everyday analysis.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

The course is delivered through guided labs on sample business databases, with exercises of increasing complexity and a capstone analysis project.

Course objectives

By the end of this course, participants will be able to:
• Understand relational database concepts
• Write SELECT queries with filtering and sorting
• Join multiple tables correctly
• Aggregate and group data
• Use subqueries, CTEs and window functions
• Prepare analysis-ready datasets

Target audience

This course is suitable for:
• Business and data analysts
• Finance and operations analysts
• Reporting specialists
• Marketing analysts
• Professionals working with databases



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Target competencies

Participants will develop competencies in:

- SQL querying
- Joins
- Aggregation
- Advanced SQL
- Data preparation
- Analytical thinking

Course outline

Day 1: Databases and Basic Queries

09:00–09:54	Relational concepts
09:54–10:48	Tables, keys and relationships
10:48–11:00	SELECT, WHERE and ORDER BY
11:00–11:30	**Coffee break**
11:30–12:12	SELECT, WHERE and ORDER BY (continued)
12:12–13:06	Functions and expressions
13:06–14:00	Lab: Basic queries

Day 2: Joins

09:00–09:54	Inner and outer joins
09:54–10:48	Joining multiple tables
10:48–11:00	Common join mistakes
11:00–11:30	**Coffee break**
11:30–12:12	Common join mistakes (continued)
12:12–13:06	Data model understanding
13:06–14:00	Lab: Join exercises



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Day 3: Aggregation

09:00–09:54	GROUP BY and HAVING
09:54–10:48	Aggregate functions
10:48–11:00	Date handling
11:00–11:30	**Coffee break**
11:30–12:12	Date handling (continued)
12:12–13:06	Case expressions
13:06–14:00	Lab: Sales analysis

Day 4: Advanced SQL

09:00–09:54	Subqueries
09:54–10:48	Common table expressions
10:48–11:00	Window functions
11:00–11:30	**Coffee break**
11:30–12:12	Window functions (continued)
12:12–13:06	Ranking and running totals
13:06–14:00	Lab: Advanced analysis

Day 5: Analysis Projects

09:00–09:54	Data quality checks
09:54–10:48	Building reporting datasets
10:48–11:00	Performance basics
11:00–11:30	**Coffee break**
11:30–12:12	Performance basics (continued)
12:12–13:06	Documenting queries
13:06–14:00	Capstone: SQL analysis project

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the



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sessions. They are indicative only and do not constitute a binding commitment.

Dates, venues and fees

Current published course plans. Fees are per participant in EUR, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (EUR)
Dubai Confirmed dates	9 Nov 2026	13 Nov 2026	**€3,150.–**
Online Confirmed dates	9 Nov 2026	13 Nov 2026	**€1,250.–**
Rome Confirmed dates	16 Nov 2026	20 Nov 2026	**€2,450.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
Frankfurt Confirmed dates	23 Nov 2026	27 Nov 2026	**€2,650.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Kuala Lumpur Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,450.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Paris Confirmed dates	14 Dec 2026	18 Dec 2026	**€2,860.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**
Istanbul Confirmed dates	11 Jan 2027	15 Jan 2027	**€2,650.–**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.–**
Amsterdam Confirmed dates	25 Jan 2027	29 Jan 2027	**€2,540.–**
Online Confirmed dates	25 Jan 2027	29 Jan 2027	**€1,250.–**
Cape Town Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,890.–**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.–**
Singapore Confirmed dates	8 Feb 2027	12 Feb 2027	**€2,820.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	8 Feb 2027	12 Feb 2027	**€1,250.–**
London Confirmed dates	22 Feb 2027	26 Feb 2027	**€2,450.–**
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**€1,250.–**
Dubai Confirmed dates	8 Mar 2027	12 Mar 2027	**€3,150.–**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**€1,250.–**
Frankfurt Confirmed dates	22 Mar 2027	26 Mar 2027	**€2,650.–**
Online Confirmed dates	22 Mar 2027	26 Mar 2027	**€1,250.–**
Barcelona Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,840.–**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Kuala Lumpur Confirmed dates	12 Apr 2027	16 Apr 2027	**€1,450.–**
Online Confirmed dates	12 Apr 2027	16 Apr 2027	**€1,250.–**
Paris Confirmed dates	26 Apr 2027	30 Apr 2027	**€2,860.–**
Online Confirmed dates	26 Apr 2027	30 Apr 2027	**€1,250.–**
Istanbul Confirmed dates	10 May 2027	14 May 2027	**€2,650.–**
Online Confirmed dates	10 May 2027	14 May 2027	**€1,250.–**
Amsterdam Confirmed dates	24 May 2027	28 May 2027	**€2,540.–**
Online Confirmed dates	24 May 2027	28 May 2027	**€1,250.–**
Cape Town Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,890.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.–**
Singapore Confirmed dates	14 Jun 2027	18 Jun 2027	**€2,820.–**
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**€1,250.–**
London Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,450.–**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.–**
Dubai Confirmed dates	12 Jul 2027	16 Jul 2027	**€3,150.–**
Online Confirmed dates	12 Jul 2027	16 Jul 2027	**€1,250.–**
Frankfurt Confirmed dates	26 Jul 2027	30 Jul 2027	**€2,650.–**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Rome Confirmed dates	2 Aug 2027	6 Aug 2027	**€2,450.-**
Online Confirmed dates	2 Aug 2027	6 Aug 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	9 Aug 2027	13 Aug 2027	**€1,450.-**
Online Confirmed dates	9 Aug 2027	13 Aug 2027	**€1,250.-**
Paris Confirmed dates	23 Aug 2027	27 Aug 2027	**€2,860.-**
Online Confirmed dates	23 Aug 2027	27 Aug 2027	**€1,250.-**
Istanbul Confirmed dates	13 Sept 2027	17 Sept 2027	**€2,650.-**
Online Confirmed dates	13 Sept 2027	17 Sept 2027	**€1,250.-**
Amsterdam Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,540.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Vienna Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,940.-**
Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.-**
Singapore Confirmed dates	11 Oct 2027	15 Oct 2027	**€2,820.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**€1,250.-**
London Confirmed dates	25 Oct 2027	29 Oct 2027	**€2,450.-**
Online Confirmed dates	25 Oct 2027	29 Oct 2027	**€1,250.-**
Dubai Confirmed dates	8 Nov 2027	12 Nov 2027	**€3,150.-**
Online Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Frankfurt Confirmed dates	22 Nov 2027	26 Nov 2027	**€2,650.–**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,450.–**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.–**
Paris Confirmed dates	13 Dec 2027	17 Dec 2027	**€2,860.–**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.–**



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Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

Contact Smart Horizon

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