ADVANCED SQL FOR PROFESSIONALS

MQA Approved | **HRDC** Refundable

FEATURING
AI TOOLS
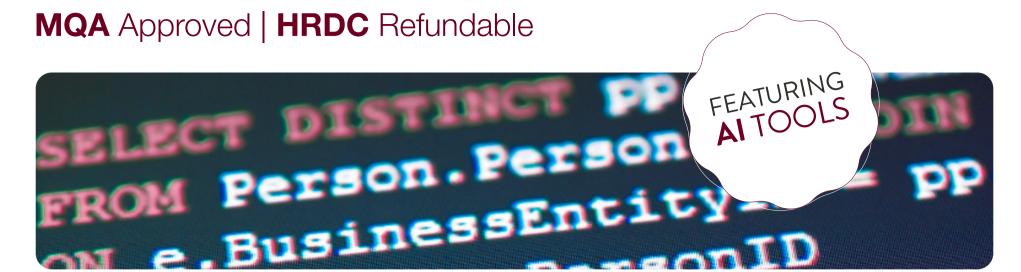
COURSE DESCRIPTION

This Advanced SQL training equips professionals to handle complex queries, optimize performance, & produce advanced reports. Participants gain hands-on practice with joins, subqueries, indexes, grouping sets, pivoting, & analytic functions for multidimensional data analysis. The course also introduces AI tools such as GitHub Copilot, with concepts applicable across SQL Server, Oracle, & other relational databases.

DURATION

5 Days
35 hours

Online: **Face to face:**
4 days   1 day

CERTIFICATION

A Certificate of Attendance is given upon successful completion of this course.

DELIVERY MODE:

Blended

TARGET AUDIENCE

Testers/QA, App Support Engineers, Data Professionals, BI Analysts, Developers, seeking advanced querying skills.

COURSE OBJECTIVE

- Install, configure, and connect SQL Server Management Studio and Visual Studio Code to explore databases.
- Query multiple tables using INNER, OUTER, CROSS, and SELF JOINs while applying best practices for performance.
- Analyze and optimize queries with execution plans and indexes.
- Use aggregate functions with GROUP BY and HAVING, while managing NULLs effectively.
- Create advanced reports with Grouping Sets, ROLLUP, CUBE, and PIVOT for multidimensional analysis.
- Apply window and analytic functions including ROW_NUMBER(), RANK(), DENSE_RANK(), LAG, and LEAD.
- Build subqueries, derived tables, and Common Table Expressions (CTEs) for reusable queries.
- Leverage SQL-aware AI tools such as GitHub Copilot for efficient development while respecting security best practices.
- Strengthen problem-solving skills through hands-on projects that apply advanced SQL concepts to real business scenarios

TRAINER:

MEHFOOZ KAUSMALLY

12+ years SQL expertise
Certified SQL Specialist
Trained 270+ professionals
Experienced corporate trainer

HONORIS
EDUCATIONAL NETWORK